DEPARTMENT OF THE AIR FORCE

COMMITTEE STAFF PROCUREMENT BACKUP BOOK
1996/97 BUDGET ESTIMATES
FEBRUARY 1995

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AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME I

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Volume I

AIRCRAFT PROCUREMENT

FY 1996 PRESIDENT'S BUDGET SUBMISSION
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DEPARTMENT OF THE AIR FORCE

FY 1996 PROCUREMENT PROGRAM

SUMMARY
($ IN MILLIONS)

25 JAN 1995

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

ACTIVITY	FY 1994	FY 1995	FY 1996	FY 1997
01. COMBAT AIRCRAFT	1,208.4	570.6	336.3	347.2
02. AIRLIFT AIRCRAFT	2,226.5	2,373.3	2,674.9	2,732.9
03. TRAINER AIRCRAFT	150.7	246.7	59.3	113.6
04. OTHER AIRCRAFT	580.6	656.2	494.4	509.1
05. MODIFICATION OF INSERVICE AIRCRAFT	996.1	1,107.8	1,149.7	1,291.9
06. AIRCRAFT SPARES AND REPAIR PARTS	415.7	485.5	603.6	748.6
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	869.7	867.2	865.8	833.6
TOTAL	6,447.7	6,307.3	6,183.9	6,576.9

* ITEMS UNDER $50,000

DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
	BUDGET ACTIVITY 01: COMBAT AIRCRAFT											
	STRATEGIC OFFENSIVE											
1	B-1B (MYP)	B			165.8		138.3		56.3		77.4	U
2	B-2A (MYP)	B			564.7		337.0		279.9		216.9	U
	TACTICAL FORCES											
3	ADVANCED TACTICAL FIGHTER ADVANCE PROCUREMENT (CY) (FY 1997 FOR FY 1998) (MEMO)										52.9 (52.9)	U
4	F-15A	A			28.6		20.3					U
5	F-16 C/D (MYP)	A		12	(587.8)		(75.0)					U
	LESS: ADVANCE PROCUREMENT (PY)				(-138.5)							
					449.3		75.0					
	TOTAL COMBAT AIRCRAFT				1,208.4		570.6		336.3		347.2	
	BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT											
	TACTICAL AIRLIFT											

* ITEMS UNDER $50,000

DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
6	C-17 (MYP)	B	324,048,875	6	(2115.0)	6	(2400.3)	8	(2592.4)		(72.0)	U
	LESS: ADVANCE PROCUREMENT (PY)				(-250.9)		(-248.2)		(-189.9)			
					1864.1		2152.1		2402.5		72.0	
7	C-17 (MYP)				222.2		189.9					U
	ADVANCE PROCUREMENT (CY)				(222.2)							
	(FY 1994 FOR FY 1995) (MEMO)						(189.9)					
	(FY 1995 FOR FY 1996) (MEMO)											
	OTHER AIRLIFT											
8	C-130H	A			42.2		31.3					U
9	C-130J	A	44,304,000					2	88.6	2	92.8	U
	STRATEGIC AIRLIFT											
10	STRATEGIC AIRLIFT	A							183.8		2568.1	U
	NON DEVELOPMENT AIRLIFT											
11	NON DEVELOPMENT AIRLIFT AIRCRAFT	A			98.0		*					U
	TOTAL AIRLIFT AIRCRAFT				2,226.5		2,373.3		2,674.9		2,732.9	
	BUDGET ACTIVITY 03: TRAINER AIRCRAFT											
	OPERATIONAL TRAINERS											
12	ENHANCED FLIGHT SCREENER	A		33	9.9							U
13	JPATS	A	18,322,666			3	92.7	3	55.0	12	109.1	U

* ITEMS UNDER $50,000

UNCLASS
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DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
14	TANKER, TRANSPORT, TRAINER SYSTEM	B		35	140.8	32	154.1		4.4		4.5	U
	TOTAL TRAINER AIRCRAFT				150.7		246.7		59.3		113.6	
	BUDGET ACTIVITY 04: OTHER AIRCRAFT											
	MISSION SUPPORT AIRCRAFT											
15	CIVIL AIR PATROL A/C	A	96,185	27	3.6	14	1.4	27	2.6	27	2.7	U
16	DRUG INTERDICTION	A			3.0							U
	OTHER AIRCRAFT											
17	E-8B	B	268,167,000	2	(509.9)	2	(559.6)	2	(536.3)	2	(515.3)	U
	LESS: ADVANCE PROCUREMENT (PY)				(-78.3)		(-123.7)		(-141.7)		(-120.0)	
					431.5		435.9		394.6		395.2	
18	E-8B											
	ADVANCE PROCUREMENT (CY)				123.7		218.8		97.1		111.1	U
	(FY 1994 FOR FY 1995) (MEMO)				(123.7)							
	(FY 1995 FOR FY 1996) (MEMO)						(141.7)					
	(FY 1995 FOR FY 1997) (MEMO)						(22.9)					
	(FY 1995 FOR FY 1998) (MEMO)						(24.6)					
	(FY 1995 FOR FY 1999) (MEMO)						(29.6)					
	(FY 1996 FOR FY 1997) (MEMO)								(97.1)			
	(FY 1997 FOR FY 1998) (MEMO)										(111.1)	
19	SOF A/C CSE	A			18.7							
	TOTAL OTHER AIRCRAFT				580.6		656.2		494.4		509.4	

* ITEMS UNDER $50,000

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DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 25 JAN 1995

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
BUDGET ACTIVITY 05:	MODIFICATION OF INSERVICE AIRCRAFT											
	STRATEGIC AIRCRAFT											
20	B-2A	A			21.9		64.0		17.3		5.6	U
21	B-1B	A			29.0		40.3		75.4		131.4	U
22	B-52	A			37.4		33.3		4.9		10.0	U
23	F-117	A			11.8		11.1		47.7		39.6	~~S~~ U
	TACTICAL AIRCRAFT											
24	A-10	A			29.6		46.8		79.4		44.1	U
25	F/RF-4	A			*		1.6		.1		.1	U
26	F-15	A			264.9		184.8		79.5		143.1	U
27	F-16	A			111.1		110.0		118.6		143.1	U
28	EF-111	A			3.8		2.0		1.9			U
29	F-111	A			13.6		5.0					U
30	T/AT-37	A			1.9		1.4		.5		.6	U
	AIRLIFT AIRCRAFT											
31	C-5	A			38.1		28.5		45.4		22.6	U
32	C-9	A			11.8		6.7		4.1		4.7	U

* ITEMS UNDER $50,000

UNCLASS
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DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
33	C-17A	A			3.5		6.1		12.7		24.4	U
34	C-21	A			.3		2.5		4.7		4.0	U
35	C-22	A					5.1		.7		.4	U
36	C-STOL	A			.1		.7		.3		.8	U
37	C-137	A			3.5		1.4		2.4		1.5	U
38	C-141	A			29.2		14.4		95.2		53.3	U
	TRAINER AIRCRAFT											
39	T-1	A							5.8		8.5	U
40	T-3 (EFS) AIRCRAFT	A							.1		.2	U
41	T-38	A			14.3		25.4		11.5		15.4	U
42	T-41 AIRCRAFT	A			.2		*		*		*	U
43	T-43	A			1.9		5.3		5.4		1.1	U
	OTHER AIRCRAFT											
44	KC-10A (ATCA)	A			36.7		17.9		20.7		15.6	U
45	C-12	A			.3		1.3		3.2		3.1	U
46	C-18	A			.2		2.1		2.7		1.1	U
47	C-20 MODS	A			.1		6.4		7.8		2.0	U

* ITEMS UNDER $50,000

DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
48	VC-25A MOD	A			9.8		.8		7.8		1.9	U
49	C-130	A			118.8		76.5		84.4		92.5	U
50	C-135	A			61.1		77.3		142.8		188.5	U
51	E-3	A			4.6		136.6		230.4		270.3	U
52	E-4	A			10.4		35.0		1.0		1.6	U
53	H-1	A			.1				6.2		5.5	U
54	H-60	A			26.1		.3				7.3	U
55	OTHER AIRCRAFT	A			72.0		40.5		29.4		40.7	U
	OTHER MODIFICATIONS											
56	CLASSIFIED PROJECTS	A			28.3		48.4				7.2	U
57	DARP	A					68.2					U
	TOTAL MODIFICATION OF INSERVICE AIRCRAFT				996.1		1,107.8		1,149.7		1,291.9	
	BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS											
	AIRCRAFT SPARES + REPAIR PARTS											
58	SPARES AND REPAIR PARTS	A			415.7		485.5		603.6		748.6	U
	TOTAL AIRCRAFT SPARES AND REPAIR PARTS				415.7		485.5		603.6		748.6	

* ITEMS UNDER $50,000

DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
BUDGET ACTIVITY 07:	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES											
	COMMON AGE											
59	COMMON AGE	A			190.5		225.6		216.0		191.9	U
	POST PRODUCTION SUPPORT											
60	F-15 POST PRODUCTION SUPPORT	A							14.0		11.6	U
61	F-16 POST PRODUCTION SUPPORT								194.7		84.3	U
	INDUSTRIAL PREPAREDNESS											
62	INDUSTRIAL PREPAREDNESS				25.1		51.1		48.7		35.0	U
63	BOMBER INDUSTRIAL BASE SUPPORT						125.0					U
	WAR CONSUMABLES											
64	WAR CONSUMABLES	A			17.9		18.4		25.5		31.5	U
	OTHER PRODUCTION CHARGES											
65	OTHER PRODUCTION CHARGES	A			607.2		234.9		167.7		342.6	U
66	CANCELLED ACCOUNT ADJUSTMENTS	A			3.1							U
	COMMON ECM EQUIPMENT											

* ITEMS UNDER $50,000

DEPARTMENT OF THE AIR FORCE
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST	FY 1997 QUANTITY	FY 1997 COST	SEC
67	COMMON ECM EQUIPMENT				25.9		16.8		4.9		4.7	U
	DARP											
68	DARP						195.4		194.4		132.0	U
	TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES				869.7		867.2		865.8		833.6	
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE				6,447.7		6,307.3		6,183.9		6,576.9	

* ITEMS UNDER $50,000

AIRCRAFT PROCUREMENT, AIR FORCE

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the forgoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things; , to remain available for obligation until September 30, .

COMPARISON OF FY 1994 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1995 PB WITH 1994 PROGRAM REQUIREMENTS AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 94 Col Total Program Requirements per FY 95 PB	FY 94 Col Total Program Requirements per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	1,233,165	1,208,422	(24,743)
Airlift Aircraft	2,308,572	2,226,461	(82,111)
Trainer Aircraft	150,699	150,699	0
Other Aircraft	582,421	580,604	(1,817)
Modification of In-Service Aircraft	1,005,388	996,139	(9,249)
Aircraft Spares and Repair Parts	425,677	415,691	(9,986)
ACFT Support Equipment and Facilities	899,112	869,686	(29,426)
Reimbursable Program	99,900	42,968	(56932)
Total Fiscal Year Program	6,704,934	6,490,670	(214,264)

EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
($ in Millions)

1. **Combat Aircraft: -$24.7**
   Decrease is the result of net adjustment for the following reprogrammings: Reprogrammings for upward adjustments from the B-1 (-$2.7) and the F-16 (-$.1), below threshold reprogrammings from the B-2 (-$7.0) for the C-130 and for the B-1 ($6.1), and omnibus reprogramming from the F-16 (-$21.0).

2. **Airlift Aircraft: -$82.1**
   Decrease represents a net decrease from below threshold reprogrammings for the C-130 ($7.0) and from C-17 (-$1.4) and omnibus reprogramming requirements from C-17 (-$69.3) and the C-130 (-$18.4).

3. **Trainer Aircraft: $0**
   No change in budget activity funding.

4. **Other Aircraft: -$1.8**
   Decrease represents a net decrease from the E-8 (-$4.8) for omnibus reprogramming offset by an increase into Aircraft Procurement for Drug Interdiction Aircraft (+$3.0).

5. **Modification of In-Service Aircraft: -$9.2**
   Decrease is the net result of omnibus reprogramming of (-$14.9) and various below threshold reprogrammings ($5.7).

6. **Aircraft Spares and Repair Parts: -$10.0**
   Decrease due to omnibus reprogramming (-$5.7) and below threshold reprogramming (-$4.3).

7. **Aircraft Support Equipment and Facilities: -$29.4**
   Decrease due to omnibus reprogrammings to Common Support Equipment, Other Production Charges, and Common ECM Equipment (-$26.2), below threshold reprogrammings to Other Production Charges and Common ECM (-$6.1) and canceled account adjustments ($3.1).

COMPARISON OF FY 1994 FINANCING AS REFLECTED IN FY 1995 PB WITH FY 1994 FINANCING AS SHOWN IN FY 1996 BUDGET

	Financing per FY 1995 PB	Financing per FY 1996 Budget	Increase Decrease ( )
Program Requirements			
Reimbursable	(99,900)	(42,968)	(56,932)
Service Account	(6,605,034)	(6,447,701)	(157,333)
Subtotal Program Requirements	6,704,934	6,490,669	(214,265)
Less:			
Anticipated Reimbursements	99,900	42,968	(56,932)
Reprogramming from/to prior year budget plans	0	269,519	269,519
Unobligated ST. Newplan	0	12,800	12,800
Subtotal	99,900	325,287	225,387
Add:			
Unobligated balance expiring	0	269,519	269,519
Reduction Pursuant to P.L. 103-139	4,200	4,200	0
Rescissions	0	12,800	12,800
Transfers to other accounts	53,700	214,033	160,333
Transfers from other accounts	0	(3000)	(3000)
Subtotal	57,900	497,552	439,652
Appropriation	6,662,934	6,662,934	0

COMPARISON OF FY 1995 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1995 PB WITH 1995 PROGRAM REQUIREMENTS AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 95 Col Total Program Requirements per FY 95 PB	FY 95 Col Total Program Requirements per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	659,581	570,581	(89,000)
Airlift Aircraft	2,816,496	2,373,292	(443,204)
Trainer Aircraft	278,428	246,728	(31,700)
Other Aircraft	565,683	656,183	90,500
Modification of In-Service Aircraft	1,135,929	1,107,829	(28,100)
Aircraft Spares and Repair Parts	488,894	485,494	(3,400)
ACFT Support Equipment and Facilities	802,588	867,158	64,570
Reimbursable Program	108,000	108,000	0
Total Fiscal Year Program	6,855,599	6,415,265	(440,334)

EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
($ in Millions)

1. **Combat Aircraft: -$89.0**
   Decrease reflects the final FY95 appropriation for the B-1 (-$15.0), B-2 (-$45.0) and F-16 (-$25.0) and distribution of a general reduction for procurement reform (-$4.0).

2. **Airlift Aircraft: -$443.2**
   Decrease reflects the final FY95 appropriation for C-17 (-$304.3), C-130H (-$18.4) and NDAA (-$103.7) and distribution of a general reduction for procurement reform (-$16.7).

3. **Trainer Aircraft: -$31.7**
   Decrease reflects the final FY95 appropriation for JPATS (-$30.0) and distribution of a general reduction for procurement reform (-$1.7).

4. **Other Aircraft: $90.5**
   Increase reflects the final FY95 appropriation for JSTARS ($95.1) and distribution of a general reduction for procurement reform (-$4.6).

5. **Modification of In-Service Aircraft: -$28.1**
   Decrease reflects the final FY95 appropriation for B-1 (-$5.0), F-15 (-$15.0), F-16 (-$46.5), C-135 (-$25.8), B-52 ($7.0) and DARP ($65.0) and distribution of a general reduction for procurement reform (-$7.8).

6. **Aircraft Spares and Repair Parts: -$3.4**
   Decrease reflects the distribution of general reduction for procurement reform (-$3.4).

7. **Aircraft Support Equipment and Facilities: $64.6**
   Decrease reflects the final FY95 appropriation for War Consumables (-$8.0), Other Production Charges (-$20.0), and Bomber Industrial Base Support ($125.0), distribution of a general reduction for procurement reform (-$4.5), transfers to other appropriations (-$9.5), and classified adjustments (-$15.4).

COMPARISON OF FY 1995 FINANCING AS REFLECTED IN FY 1995 PB WITH FY 1995 FINANCING AS SHOWN IN FY 1996 PB

	Financing per FY 1995 PB	Financing per FY 1996 Budget	Increase Decrease ( )
Program Requirements			
Reimbursable	(108,000)	(108,000)	0
Service Account	(6,747,599)	(6,307,265)	(440,334)
Subtotal Program Requirements	(6,855,599)	(6,415,265)	(440,334)
Less:			
Anticipated Reimbursements	108,000	108,000	0
Reprogramming from/to prior year budget plans	0	0	0
Subtotal	108,000	108,000	0
Add:			
Unobligated balance expiring	0	0	0
Reduction Pursuant to P.L. 103-335	0	44,797	44,797
Rescissions	0	0	0
Transfers to other accounts	0	27,900	27,900
Subtotal	0	72,697	72,697
Appropriation	6,747,599	6,379,962	(367,637)

COMPARISON OF FY 1994 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1996 PB WITH 1995 PROGRAM REQUIREMENTS AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 94 Program Total Program per FY 96 PB	FY 95 Program Total Program per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	1,208,422	570,581	(637,841)
Airlift Aircraft	2,226,461	2,373,292	146,831
Trainer Aircraft	150,699	246,728	96,029
Other Aircraft	580,604	656,183	75,579
Modification of In-Service Aircraft	996,139	1,107,829	111,690
Aircraft Spares and Repair Parts	415,691	485,494	69,803
ACFT Support Equipment and Facilities	869,686	867,158	(2,528)
Reimbursable Program	42,968	108,000	65,032
Total Fiscal Year Program	6,490,670	6,415,265	(75,405)

EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
($ in Millions)

1. Combat Aircraft: -$637.8

B-1: Decrease due to completion of deferred logistics support requirements (-$27.5)
B-2: Decrease in training equipment and non-recurring requirements (-$227.7)
F-15: Airframe peculiar support equipment procurement completed (-$8.3)
F-16: FY94 was final production buy (-$374.3)

2. Airlift Aircraft: $146.8

C-17: Increase for HAZMAT, contract settlement, cost reduction and support costs ($288.0)
Advance procurement reduced (-$32.3)
NDAA: Not funded in FY95 (-$98.0)
C-130H: Support costs reduced (-$10.9)

3. Trainer Aircraft: $96.0

T-1A (TTTS): FY95 is last year of procurement ($13.3)
T-3A (EFS): FY94 is the last year of procurement (-$9.9)
JPATS: FY95 is the first year of procurement ($92.7)

4. Other Aircraft: $75.6

Civil Air Patrol: Decreased (-$2.2)
Drug Interdiction: Last buy completed in FY94 (-$3.0)
JSTARS: Increase in advance procurement to support buyout of 12 airframes for later incorporation into the production line ($99.5)
SOF A/C CSE: Procurement completed in FY94 (-$18.7)

5. Modification of In-Service Aircraft: $111.7

WEAPON SYSTEM	FY 1994	FY 1995	FY 1996
B-2	21.9	64.0	17.3
B-1	29.0	40.3	75.4
B-52	37.4	33.3	4.9
F-117	11.8	11.1	47.7
A-10	29.6	46.8	79.4
F-15	264.9	184.8	79.5

C-141	29.2	14.4	95.2
KC-10	36.7	17.9	20.7
C-130	118.8	76.5	84.4
C-135	61.1	77.3	142.8
E-3	4.6	136.6	230.4
E-4	10.4	35.0	1.0
H-60	26.1	.3	0
Other A/C	72.0	40.5	29.4
DARP	0	68.2	0

B-2: FY95: Increase primarily due to the new start mods 2SR-63-Band4 and the CONTRAIL management mods ($42.1)
FY96: Decrease due to reduced requirements for the 2SR-63-Band4 and MILSTAR UHF mods (-$46.7)

B-1 FY95: Increase due to new mod start for Conventional Bomb Module, 1122 Improvement, and Lancer 101C Engine
FY96: Increase due to new start mods for NAVSTAR GPS, JDAM 1760 conventional enhancement and increases in the conventional bomb module and 1122 Improvement mod buys ($35.1)

B-52: FY95: Reduced requirements for Integrated Conventional Stores Management System and NAVSTAR GPS mod (-$4.1)
FY96: All major B-52 mods winding down. GPS is only major mod funded in FY95 at a reduced rate. (-$28.4)

F-117: Realignment of resources from other budget programs to the modification account

A-10 FY95: Kit buys for both the GPS and improved data modem (IDM) increased from 11 in FY94 to 94 in FY95. These are interrelated/codependent mods.
FY96: A one year mod to regenerate A-10s to relieve inventory shortfalls ($22.5)

F-15: FY95 MSIP, ALR-56, and ALQ-135 P3I mod funding reduced or near completion
FY96 ALQ-135 P3I mod near completion

C-141: FY95: Completed Auto Comm Processor and Weep Hole Modifications
FY96: Start GPS and SATCOM, continue autopilot modification

KC-10: FY95: Decrease due to reduced buy rates for NAVSTAR GPS and refueling Pod mods (-$18.8)
FY96: Small increase primarily due to new start SATCOM mod ($2.8)

C-130: FY95: Reduced kit buys for autopilot and ADS
FY96: Increased kit buys for autopilot

C-135: FY95: A number of new start mods (GPS, Compass replacement, etc) coupled with C-135 reengine and Rivet Joint mod completions in FY94 net out to a small increase ($16.2)
FY96: Large increase due to rivet joint restart and increases in mod buys for radar replacement and display and compass replacement. Also due to new start Multipoint Refueling mod ($67.3)

E-3: FY95 Mod requirements restart. FY94 was a skip year for interconnectivity modifications (ESM, DAPG, GPS, and JTIDS TADIL J) since sufficient kits on hand to maintain schedule.
FY96 begins Radar System Improvement and Extend Suntry

E-4: FY95 and FY96: One year kit buys of MILSTAR and communications in FY95

H-60: FY95 and FY96: HH-60 retrofit completed

Other: FY95: Reflects quantity reduction from FY94 (901) to FY95 (90) for A/B SINCGARS AJ COMM (-$16.8). FY94 was last buy year for AN/ALR-69 system improvement mod (-$10.1) and AERP (-$3.4)
FY96: Reflects quantity reduction from FY95 (982) to FY96 (400) for ALE-40 deficiencies (-$5.1) and FY95 completes procurement of Tactical Secure Voice mod (-$7.6)

DARP: FY95 and FY96: Reflects the FY95 appropriation for reactivation of 3 SR-71 aircraft

6. Aircraft Spares and Repair Parts: $69.8

Ramp for payment of DBOF initial spares deliveries which started in FY94 and increases through FY99

7. Aircraft Support Equipment and Facilities: -$2.5

Decrease due to reduced requirements for other production charges (-$374.9) and Common ECM (-$9.1) and increases in Common AGE ($35.1) and industrial facilities ($151.0), and funds transfer from other production charges to a separate DARP line ($195.4).

COMPARISON OF FY 1995 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1996 PB WITH 1996 PROGRAM REQUIREMENTS AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 95 Program Total Program per FY 96 PB	FY 96 Program Total Program per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	570,581	336,257	(234,324)
Airlift Aircraft	2,373,292	2,674,856	301,564
Trainer Aircraft	246,728	59,342	(187,386)
Other Aircraft	656,183	494,371	(161,812)
Modification of In-Service Aircraft	1,107,829	1,149,672	41,843
Aircraft Spares and Repair Parts	485,494	603,619	118,125
ACFT Support Equipment and Facilities	867,158	865,769	(1,389)
Reimbursable Program	108,000	108,000	0
Total Fiscal Year Program	6,415,265	6,291,886	(123,379)

EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
($ in Millions)

1. Combat Aircraft: -$234.3
B-1: Projected requirements for ICS decreasing as the B-1B becomes more and more organically capable (-$82.0)
B-2: Decrease due primarily to reduced requirements for software investment and tech data (-$57.0)
F-15: ICS funding moved to BP13 starting in FY96 (-$20.3)
F-16: Post production support moved to BP13 in FY96 (-$75.0)

2. Airlift Aircraft: $301.6
C-17: Increase to support 2 additional aircraft offset by prior year advance procurement credit ($60.5)
C-130J: Increase for initial procurement of 2 aircraft ($88.6)
C-130H: FY95 completes C-130H procurement (-$31.3)
Strategic Airlift: Supports Milestone III Defense Acquisition Board review to procure C-17s or NDAA type aircraft ($183.8)

3. Trainer Aircraft: -$187.4
T-1A (TTTS): FY95 is last year of procurement (-$149.7)
JPATS: Reduced buy from 6 to 3 in FY96 (-$37.7)

4. Other Aircraft: -$161.8
JSTARS: Reduction in advance procurement (-$121.7) and reduction to flyaway costs (-$40.1)

5. Modification of In-Service Aircraft: $41.8
See FY94 - FY95 Comparison explanation

6. Aircraft Spares and Repair Parts: $118.1
Continuation of ramp for payment of DBOF initial spares deliveries which started in FY94 and increases through FY99

7. Aircraft Support Equipment and Facilities: -$1.4
Decrease is due to decreased funding required for other production charges (-$67.2), Common ECM (-$11.9), Common AGE (-$9.6) industrial preparedness (-$2.4), DARP (-$1.0), and Bomber Industrial Base Support (-$125.0) offset by the transfer of BP 1000 funds to BP 1300 for post production support ($208.7) and an increase in funding for war consumables ($7.1)

GLOSSARY OF ACRONYMS

AGM - Air-to-Ground Missile
AIM - Air Intercept Missile
AIS - Avionics Intermediate Shop
ACMI - Aircraft Combat Maneuvering Instrumentation
AMRAAM - Advanced Medium-Range Air-to-Air Missile
AUTODIN - Automated Digital Network
AWACS - Airborne Warning and Control System
BLSS - Base Level Self-Sufficiency Spares
BY - Budget Year
C3 - Command, Control, and Communication System
CFE - Contractor Furnished Equipment Equipment
CONUS - Continental United States
CPMS - Comprehensive Power Management System
CPT - Cockpit Procedures Trainer
CRA - Continuing Resolution Authority
CTS - Countermeasures Test Set
CY - Current Year
DDTE - Design, Development, Test and Evaluation
ECCM - Electronic Counter Counter Measures
ECM - Electronic Counter Measures
ECO - Engineering Change Orders
EOQ - Economic Order Quantity
ECP - Engineering Change Proposal
EPA - Economic Price Adjustment
EW - Electronic Warfare
EWAISP - Electronic Warfare Avionics Integration Support Facility
FLIR - Forward Looking Infra Red
FOT&E - Follow-on Test and Evaluation
FOC - Fully Operational Capability
FLTS - Flight Line Test Set

FPIF - Fixed Price Incentive Firm
FPIS - Fixed Price Incentive Fee, Successive Targets
GFE - Government Furnished Equipment
GPS - Global Positioning System
GSE - Ground Support Equipment
IOC - Initial Operating Capability
IPE - Increased Performance Engine
LANTIRN - Low Altitude Navigation and Targeting Infra Red System for Night
METS - Mobile Electronic Test Stations
MYP - Multiyear Procurement
MSIP - Multi-Stage Improvement Program
NMC Rate - Not Mission Capable Rate
OFP - Operational Flight Program
OT&E - Operational Test and Evaluation
OWRM - Other War Reserve Material
PAGEL - Priced Aerospace Ground Equipment List
PB - President's Budget
PGSE - Peculiar Ground Support Equipment
PMC - Procurement Method Code
PR - Purchase Request
PTT - Part Task Trainer
PY - Prior Year
R&M - Reliability and Maintainability
RAA - Required Asset Availability
RDT&E - Research, Development, Test and Evaluation
RWR - Radar Warning Receiver
ROM - Rough Order of Magnitude
SAM - Surface-to-Air Missile
SS - Sole Source
SOF - Special Operation Force
TAF - Tactical Air Force
TEWS - Tactical Electronic Warfare System
TISS - TEWS Intermediate Support System

TOA - Total Obligation Authority
WMP - War Mobilization Plan
WRM - War Reserve Material
WST - Weapon System Trainer
UHF - Ultra High Frequency
VHSIC - Very High Speed Integrated Circuit

ORGANIZATIONS

ACC - Air Combat Command
AFMC - Air Force Material Command
ALC - Air Logistics Center
ASC - Aeronautical Systems Center
ATC - Air Training Command
FAA - Federal Aviation Administration
NATO - North Atlantic Treaty Organization
OSD - Office of the Secretary of Defense
PACAF - Pacific Air Forces
USAFE - United States Air Forces Europe

TERMS

Advanced Buy - Obligating fund for longlead material/component is advance of the fiscal year the end item is authorized and procurement starts
Avionics - Electronic equipment on-board aircraft
Boresight - An optical reference line used in harmonizing guns, rockets on other weapon launchers
Chaff Flare - Radar and infrared countermeasures
Depot - Wholesale level repair and supply point
Drone - An object used for target practice
Fly by wire - Full authority electronic flight control system
Ground Clutter - Objects on the ground which cause distorted or misleading radar readings
Interdiction - Operational term for behind the front line bombing
Inter theater - Global
Intratheater - Within given area
Mobilization - The ability to move war fighting equipment from one place to another
Multi Stage Improvement Program - A phased program for upgrading the F-15 and F-16
Off the Shelf - Commercially available equipment
Pipeline Standards - The expected average time it takes for a component to be removed from the aircraft, repaired and returned for use in serviceable condition
Prototype - A working model transforming a developmental idea into reality
Provisioning - The process of determining and contracting for spare parts required to support new production systems for the initial support period
Pylon - Munitions adapter
Readiness - Ability to go to war and support initial deployment
Robotics - Automated manufacturing technique
S-Band - Radio frequency spectrums from 1550 to 3900 MHZ
Solicitation - The process of requesting proposals from private industry for goods and services required by the government
Surge - The period of time between normal operations and increased operations
Sustainability - Ability to sustain wartime combat rates after initial surge

DATE

BUDGET ITEM JUSTIFICATION SHEET

Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT - B-1B WEAPON SYSTEM

P-1 ITEM NOMENCLATURE

B-1B Deferred Logistics/Interim Contractor Support

	Prior	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COST (IN MILLIONS)	160.5	165.8	138.3	56.3	77.4	46.6	20.2	23.2	32.8	0.0	721.1

MISSION AND DESCRIPTION:

The B-1B has been designated as the "backbone" of the conventional bomber force. This line provides Interim Contractor Support for the B-1B until needed support equipment is delivered and support is fully organic.

FY96/97 PROGRAM JUSTIFICATION:

All funds will be utilized for Interim Contractor Support (ICS) for both Intermediate and Depot Level repair services for the B-1B weapon system. Interim Contractor Support services, material support, data management, contractor operated storage sites, packaging, handling, transportation and material control systems for items both intermediate and depot level ICS repairs. There are approximately 90 subvendors for D-level repairs for the Rockwell ICS contract alone. Types of items that are repaired on ICS include: gearbox assemblies, manifold assemblies,vertical indicators, auxiliary power units, and power drive units. FYDP also includes funding for Program Management Adminisration (PMA) for technical, engineering, and acquisition support.

AIRCRAFT COST ANALYSIS (Dollars in Millions)	A. Aircraft Model B-1B		B. Popular Name ADVANCED TECHNOLOGY BOMBER		C. Manufacturer		D. Date Feb-95	
	FY94	QTY 0	FY95	QTY 0	FY96	QTY 0	FY97	QTY 0
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1 AIRFRAME/CFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 ENGINE	0.0		0.0		0.0		0.0	
	0.0		0.0		0.0		0.0	
3 AVIONICS	0.0		0.0		0.0		0.0	
4 ARMAMENT	0.0		0.0		0.0		0.0	
5 OTHER GFE	0.0		0.0		0.0		0.0	
6 ECO (All Flyaway Components)	0.0		0.0		0.0		0.0	
7 NON-RECURRING COSTS	0.0		0.0		0.0		0.0	
8 OTHER COSTS	0.0		0.0		0.0		0.0	
				0.0		0.0		0.0
9 FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 AIRFRAME PGSE (Deferred Logistics)		72.0						
11 ENGINE PGSE								
12 AVIONICS PGSE								
13 PECULIAR TRAINING EQUIPMENT								
14 PUBLICATIONS/TECH. DATA								
15 ECO (ALL SUPPORT ITEMS)								
16 OTHER (ICS)		93.8		138.3		56.2		77.3
17 Program Management Administration (PMA)						0.1		0.1
18 SUPPORT COST		165.8		138.3		56.3		77.4
19 GROSS P-1 COST		165.8		138.3		56.3		77.4
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		165.8		138.3		56.3		77.4

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Millions)

Weapon System: B-1B

DATE: Feb-95

I. Procurement Program:

	Service	Other Service	FMS/Other
FY 95			
FY 94			
FY 93			
FY 92			

II. Hardware (Unit Costs) (Provided for each P-5 stub entry)

	FY95	DIFF	FY96	DIFF	FY97	DIFF	FY98
Airframe	0.0	**0.0**	0.0	**0.0**	0.0	**0.0**	**0.0**

Reason for Change:
FY93 - FY94
FY94 - FY95
FY95 - FY96

III. Procurement Support (Total Cost) (Explain difference for each support stub entry)

	FY 94	DIFF	FY 95	DIFF	FY 96	DIFF	FY 97
PGSE	165.8	**-27.5**	138.3	**-82.0**	56.3	**21.1**	77.4

Reason for Change:

FY94-95	-27.5 decrease due to increase in organic capability.
FY95-96	-82.0 decrease due to forecasted increase in organic capability
FY96-97	+21.1 increase is an anamoly due to FY 96 reduction for transition from ICS to RSD contracts.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET	Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	B-2A

	FY94/PRIOR	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	TC	TOTAL
QUANTITY	15	0	0	0	0	0	0	0	0	15
COST (TY$ IN Million	16280.8	337.0	279.9	216.9	223.5	180.6	240.3	36.2	271.2	18066.4

Mission and Description: The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by reduction of observable signatures and a complementary defensive management system. The B-2 will also have a low altitude terrain following capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management and acquisition strategy provides the user a capability for the lowest possible cost.

FY 1996 Program Justification: The FY 1996 program contains costs associated with software investment, technical orders, interim contractor support, aircrew training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and non-recurring (including curtailment).

FY 1997 Program Justification: The FY 1997 program contains costs associated with software investment, technical orders, interim contractor support, aircrew training device, maintenance training device, peculiar support equipment, PMAR, and non recurring (including curtailment).

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) FY96 PB	A. Appropriation/Budget Activity Title/No. Appn 10, BA01 Aircraft Procurement		B. Weapon Model/Series/ Popular Name B-2 Advanced Technology Bomber			C. Manufacturer Name Plant City/State location Northrop Grumman B-2 Division Pico Rivera, CA		D. Date Month/Year 6-Feb-95	
Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	QTY 0 Tot. Cost	FY95 Unit Cost	Qty 0 Tot. Cost	FY96 Unit Cost	Qty 0 Tot. Cost	FY97 Unit Cost	Qty 0 Tot. Cost
Airframes/CFE	A	NA	0	NA	0	NA	0	NA	0
[illegible]GINE/ACCESSORIES	A	NA	0	NA	0	NA	0	NA	0
[illegible]g Model) F118-GE-100									
AVIONICS									
A. CFE	A	NA	0	NA	0	NA	0	NA	0
B. GFE	A	NA	0	NA	0	NA	0	NA	0
WEAPON DELIVERY SYSTEM	A	NA	0	NA	0	NA	8.7	NA	8.8
OTHER GFE	A	NA	0	NA	0	NA	0	NA	0
ECO (All Flyaway Components)		NA	15.7	NA	5.1	NA	0.0	NA	0.0
NON-RECURRING COSTS (Other)		NA	81.5	NA	31.8	NA	47.8	NA	23.4
Subtotal FLYAWAY COST			97.2	NA	36.9	NA	56.5	NA	32.2
AIRFRAME PGSE	A	NA	42.6	NA	85.4	NA	65.4	NA	23.5
ENGINE PGSE	A	NA		NA		NA	1.5	NA	0.0
PECULIAR TRAINING EQUIPMENT	A	NA	262.7	NA	15.0	NA	37.7	NA	18.6
PUBLICATIONS/TECH. DATA	A	NA	64.6	NA	61.1	NA	7.1	NA	4.8
ICS	A	NA	40.8	NA	44.0	NA	35.6	NA	93.1
S/W INVESTMENT	A	NA	5.6	NA	87.0	NA	45.0	NA	36.7
PROG. MGMT. ADM. RQMTS (PMAR)		NA		NA		NA	0.3	NA	0.3
OTHER	A	NA	51.2	NA	7.5	NA	30.8	NA	7.8
Subtotal SUPPORT COST		NA	467.5	NA	300.0	NA	223.4	NA	184.8
GROSS P-1 END COST		NA	564.7	NA	336.9	NA	279.9	NA	217.0
LESS: PRIOR YR ADV. PROC			0.0		0.0		0.0		0.0
NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)		**NA**	**564.7**	**NA**	**336.9**	**NA**	**279.9**	**NA**	**217.0**
[illegible]s Current Year ADV, PROC.			0.0		0.0		0.0		0.0
[illegible]her Non P-1 Weapon System Costs									
Spares (Initial & WRSK)	A	NA	177.6	NA	2.2	NA	59.1	NA	122.2
Mods	A	NA	21.9	NA	64.0	NA	17.3	NA	5.6
Facilities			0.0		8.5		15.7		5.4
TOTAL		**NA**	**764.2**	**NA**	**411.6**	**NA**	**372.0**	**NA**	**350.2**

B2P-5.XLS

FY96 PB **Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems**

Weapon System: B-2 | Date: FEB 1995 | PE 11127F 64240F

	FY94/PRIOR	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
A. General Program Data										
Procurement Qty										
Cum Operating Inventory	4	7	12	13	16	17	20	20	0	20
No. of Operating Units										
OPTEMPO										
(Flying Hrs or Miles per month)	330.4	1706.0	2260.0	3289.0	3872.0	5442.0	6208	6889	165591.0	195587.4
Readiness Objective										
Intermediate Level										
Stand-Up date										
Depot Level Stand-Up Date										
B. Acquisition Logistics Resources										
Initial Spares	836.5	2.2	9.5	18.9	39.4	30.0	7.1	3.2	8.0	954.8
War Reserve Spares	33.5	0.0	49.6	103.5	144.3	53.0	0.0	0.0	0.0	383.9
Field Level Common Spt Equip										
Proc	9.6	4.0	0.5	0.5	0.5	0.5	0.5	0.5	0.0	16.6
Field Level Peculiar Spt Equip										
RDT&E	509.4	17.7	14.6	9.9	5.9	3.7	0.8	0.0	0.0	562.0
Proc	289.9	78.1	68.4	23.8	38.0	19.4	0.7	0.2	0.2	518.7
Depot Level Support Equip/Software										
RDT&E										
Proc - Equip	214.4	6.2	16.7	0.0	0.0	0.0	54.2	0.0	0.0	291.5
Proc - Software Investment	40.1	87.0	45.0	36.7	18.7	16.3	0.0	0.0	0.0	243.[illegible]
PDM Plan	1.0	1.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	7.[illegible]
Technical Data/Manuals										
RDT&E	272.7	9.5	7.8	5.3	3.2	2.0	0.4	0.0	0.0	300.9
Proc	224.4	61.1	7.1	4.8	1.1	0.5	14.2	0.0	0.0	313.2
Training Services and Training Equip										
RDT&E	68.4	55.9	41.5	47.1	0.0	0.0	0.0	0.0	0.0	212.9
Proc	470.3	15.0	37.7	18.6	13.5	2.7	0.0	0.0	0.0	557.8

FY96 PB **Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems**

Weapon System: B-2 | Date: FEB 1995 | PE 11127F 64240F

	FY94/PRIOR	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
C. Operations and Support										
Manpower (Nos.)										
Military										
Officer	323	312	318	328	284	260	246	246	246	
Enlisted	1553	1730	1818	1935	1763	1677	1610	1610	1610	
Civilian	1046	1108	1142	1120	1073	1017	1308	1308	1308	
Cost ($)										
Fuel	0	0.2	0.2	0.2	0.3	0.3	0.3	0.3	10.5	12.3
Consumables (3400)	14.6	29.0	18.8	28.0	34.0	49.4	61.6	36.2	2488.2	2759.8
Reparables (3400)	3.1	8.3	11.8	17.8	25.7	36.7	38.3	42.1	1449.8	1633.6
Sustaining Eng Spt (3400)	1.1	10.7	85.9	136.6	184.6	199.9	210.4	203.4	7210.8	8243.4
Interim Contractor Spt (3010)	95.8	44.0	35.6	93.1	110.4	88.4	26.5	17.0	54.2	565.0

FY96 PB PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE B-2

DATE FEB 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT 1993	BAL DUE AS OF 1 OCT 1993	FISCAL YR 94 CALENDAR YR 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YR 95 CALENDAR YR 95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YR 96 CALENDAR YR 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
B-2	AF																																									
Northrop Grumman Corp																																										
(Airframe)																																										0
FY 91/P	AF	10	0	10			1								2		1		1			1		1					1			1			1			1				0
FY 92	AF	1	0	1																																				1	3
FY 93	AF	4	0	4																																					
General Electric Corp																																										0
(Engines)																																										0
FY 91/P	AF	40	32	8						1	1	1		1		1		2	1			2		1	1						6		1	1		1	1		1	1	2
FY 92	AF	4	0	4																					1	1															
FY 93	AF	16	0	16																																					
Boeing Military A/P																																										
(Weapon Delivery System)																																										0
FY 91/P	AF	50	38	12					1	1	2	2	2	2	2																											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
Northrop Grumman Corporation				
B-2 Division	SEE NOTE			
Pico Rivera, CA				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	PRIOR 1 OCT	MFG TIME	TOTAL AFTER 1 OCT
INIT				
RECORDER				

REMARKS: Delivery dates reflect actual deliveries or contractual requirements. Actual engine deliveries were adjusted to reflect DD250 dates. Deliveries are for install engines and AARL's only. Spares are not included.

NOTE: The department is currently conducting a study to determine the proper long range, heavy bomber force structure. If the study concludes the production of more B-2s is required, a minimum sustaining production rate will be established.

UNCLASSIFIED

P-1 SHOPPING LIST ITEM NO.

PAGE 1 OF 2 PAGE

EXHIBIT P-21

FY96 PB PRODUCTION SCHEDULE | P-1 ITEM NOMENCLATURE B-2 | DATE FEB 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT 1996	BAL DUE AS OF 1 OCT 1996	FISCAL YR 97												FISCAL YR 98												FISCAL YR 99											LATER
					CALENDAR YR 97												CALENDAR YR 98												CALENDAR YR 99											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
B-2	AF																																							
Northrop Grumman Corp																																								
(Airframe)																																								
FY 91/P	AF	10	10	0																																				0
FY 92	AF	1	1	0																																				0
FY 93	AF	4	1	3			1										1			1																				0
General Electric Corp																																								
(Engines)																																								
FY 91/P	AF	40	40	0																																				0
FY 92	AF	4	4	0																																				0
FY 93	AF	16	14	2	1	1																																		0
Boeing Military A/P																																								
(Weapon Delivery System)																																								
FY 91/P	AF	50	50	0																																				0
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+	PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	PRIOR 1 OCT	MFG TIME	TOTAL AFTER 1 OCT
Northrop Grumman Corporation									
B-2 Division	SEE NOTE								
Pico Rivera, CA					INIT				
					RECORDER				

REMARKS: Delivery dates reflect actual deliveries or contractual requirements. Actual engine deliveries were adjusted to reflect DD250 dates. Deliveries are for install engines and AARL's only. Spares are not included.

NOTE: The department is currently conducting a study to determine the proper long range, heavy bomber force structure. If the study concludes the production of more B-2s is required, a minimum sustaining production rate will be established.

UNCLASSIFIED

P-1 SHOPPING LIST ITEM NO.

FY96 PB

Date: 6-Feb-95

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($ M)

APPROPRIATION/P-1 Line Item:	Weapon System:	Equipment Nomenclature:	
Appn 10, BA01 / #2	B-2A	Aircrew & Maintenance Trainers	PE 11127F 64240F

Fin Plan	FY94/Prior	FY96	FY97	FY98	FY99	FY00	FY01	FY01	TC	Total
Quantity	59									0
Proc	470.3	15.0	37.7	18.6	13.5	2.7	0.0	0.0	0.0	557.8
RDT&E	854.2	55.9	41.5	47.1	0.0	0.0	0.0	0.0	0.0	998.7
O&S	12.1	9.0	9.4	9.7	15.5	17.0	18.0	18.5	0.0	109.2

TRAINING SYSTEM DESCRIPTION:

The Training System consists of training equipment hardware, software, and courseware, training missions and classroom academic materials. This Training System is associated with the delivery of the B-2 ATB. The maintenance trainer RFT date was May 93. Aircrew training began in Jan 94. The maintenance trainers consist of the CMTS, WSTA, and the CESMT. The CPT, WST, and the MT are aircrew trainers and the WLT is an armament trainer. The TSC, SSC and TL are support devices for the above listed trainers.

ACRONYMS:

RFT= Ready for Training
CPT= Cockpit Procedures Trainer
WST= Weapon Sys
MT= Mission Trainer
WLT= Weapons Loading Trainer
CMTS= Computerized Maintenance Training System
WSTA= Weapon System Training Aid
CESMT= Crew Escape System Maintenance Trainer
TSC= Training Support Center
SSC= System Support Center
TL= Training Library

FY96 PB

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($ M)

WEAPON SYSTEM: B-2 AIRCRAFT IOC DATE: 2Q/FY97 Date: 6-Feb-95

TRAINING DEVICE BY TYPE	SITE	DELIVERY DATE	READY TRAINING DATE	AVG STUDENT THROUGHPUT	PRIOR YEARS		FY96		FY97		FY98	
					QTY	COST	QTY	COST	QTY	COST	QTY	COST
MAINTENANCE	WAFB, MO	APR 93	MAY 93	575	54	139.9		3.8		25.0		3.6
AIRCREW	WAFB, MO											
BLOCK 10	"	SEP 93	JAN 94			95.5		0.0				
BLOCK 20	"	FEB 96	JUL 96			156.2		7.2		6.2		6.0
BLOCK 30	"	MAY 97	OCT 97			78.7		4.0		6.5		9.0
SUBTOTAL					5	330.4		11.2		12.7		15.0
TOTAL						470.3		15.0		37.7		18.6

FY96 PB **SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($ M)**

Training Device by Type: **AIRCREW TRAINERS** Date: 6-Feb-95 Weapon System: B-2

Description/Justification:
Contains 3 Weapon System Trainers (WST) and 2 Mission Trainers (MT) needed to conduct aircrew training of the B-2.
Also contains funding for block updates to maintain concurrency with the air vehicle.

FINANCIAL PLAN	Prior Years		FY96		FY97		FY98		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS												
Device	5	271.6									5	271.6
ECO		6.0										17.2
Nonrecurring		17.3		11.2		12.7		15.0		16.2		72.4
GFE												
Other (Fee)		28.5										28.5
Total Hardware Costs		323.4		11.2		12.7		15.0		16.2		378.5
SUPPORT COSTS												
Special SE												7.0
ILS		7.0										
Other												
Total Support Costs		7.0										7.0
Software/Courseware												
TOTAL COSTS		330.4		11.2		12.7		15.0		16.2		385.5

FY96 PB

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($ M)

Training Device by Type: **MAINTENANCE TRAINERS** Date: 6-Feb-95 Weapon System: B-2

Description/Justification:
Contains all necessary equipment for maintenance training equipment as well as future block updates to maintain concurrency with the air vehicle.

FINANCIAL PLAN	Prior Years		FY96		FY97		FY98		Cost to Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS												
Device	54	94.6		3.8		25.1*						123.5
ECO												
Nonrecurring												
GFE												
Other (Fee)												
Total Hardware Costs		94.6		3.8		25.1						123.5
SUPPORT COSTS												
Special SE												35.3
ILS		35.3										
Other												
Total Support Costs		35.3										35.3
Software/Courseware		10.0						3.6				13.6
TOTAL COSTS		139.9		3.8		25.1		3.6				172.4

*FUNDS REQUIRED FOR UPGRADE OF TRAINERS TO BLOCK CONFIGURATION.

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET

(TY$ in Millions)

DATE 6-Feb-95

APPROPRIATION/BUDGET ACTIVITY (TY$ in Millions)
AIRCRAFT PROCUREMENT (ADVANCE BUY)/BA01, COMBAT AIRCRAFT
3010/654069/Aircraft Procurement, F-22 Advanced Tactical Fighter

P-1 ITEM NOMENCLATURE
F-22 Advanced Tactical Fighter

	PRIOR YEARS	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	4	4	12	24	398	442
COST (MILLIONS)	0.0	0.0	0.0	0.0	0.0	899.6	985.6	1,835.4	2,980.9	38,755.2	45,456.7
INITIAL SPARES	0.0	0.0	0.0	0.0	38.5	42.9	94.7	152.8	193.7	3,910.6	4,433.2
TOTAL (MILLIONS)	0.0	0.0	0.0	0.0	38.5	942.5	1,080.3	1,988.2	3,174.6	42,665.8	49,889.9
**UNIT COST (MILLIONS)	0.0	0.0	0.0	0.0	0.0	224.9	246.4	152.9	124.2	97.4	102.8

MISSION AND DESCRIPTION:
The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats.
The F-22 is designed to penetrate enemy airspace and achieve a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observble highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 442 F-22 aircraft will be produced.

FY95 PROGRAM JUSTIFICATION: N/A

FY96 PROGRAM JUSTIFICATION: N/A
*Funding in FY97 will be used to fully fund 4 spare engines.
**Unit Cost exclude initial spares.

EXHIBIT P-40 Budget Item Justification Sheet

P-40 FOR ADVANCE PROCUREMENT

BUDGET ITEM JUSTIFICATION SHEET

(TY$ in Millions)

DATE 6-Feb-95

APPROPRIATION/BUDGET ACTIVITY (TY$ in Millions)
AIRCRAFT PROCUREMENT (ADVANCE BUY)/BA01, COMBAT AIRCRAFT
3010/654069/Aircraft Procurement, F-22 Advanced Tactical Fighter

P-1 ITEM NOMENCLATURE
F-22 Advanced Tactical Fighter

	PRIOR YEARS	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	4	4	12	24	36	362	442
COST (MILLIONS)	0.0	0.0	0.0	0.0	52.9	48.7	137.2	244.8	354.6	3,078.7	3,916.9
INITIAL SPARES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (MILLIONS)	0.0	0.0	0.0	0.0	52.9	48.7	137.2	244.8	354.6	3,078.7	3,916.9
UNIT COST (MILLIONS)	0.0	0.0	0.0	0.0	13.2	12.2	11.4	10.2	9.8	8.5	8.9

MISSION AND DESCRIPTION:
The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats.
The F-22 is designed to penetrate enemy airspace and achieve a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observble highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 442 F-22 aircraft will be produced.

FY95 PROGRAM JUSTIFICATION: N/A

FY96 PROGRAM JUSTIFICATION: N/A

EXHIBIT P-40 Budget Item Justification Sheet

P-40NEW.XLS

Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material) (TY$ in Millions)				Budget Year FY97 for Fiscal Year Program 1998 DATE 6-Feb-95		
Weapon System Type (Model/Series No.) F-22 Advanced Tactical Fighter	First System Award Date Jan-98		First System Completion Date Apr-00	Interval Between System Completions (Months) 1-2 months		
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months(Adm/Prod)-Total	Unit Cost	Total Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. CFE						
Data Transfer Equipment	4 Set	*Jan-97	Oct-97	9	0.2	0.9
Fiber Optic Network	4 Set	"	Feb-98	13	0.6	2.5
HUD Equipment	4 Set	"	May-98	16	0.2	0.9
EW System Equipment	4 Set	"	Aug-98	19	6.2	24.9
Com-Navigation Equipment	4 Set	"	May-98	16	0.9	3.5
Landing Gear	4	"	Sep-98	20	0.1	0.4
Flight Control Actuator	4	"	Aug-98	19	0.3	1.2
Vapor Cycle System	4	"	Aug-98	19	0.8	3.4
Brake and Anti-Skid System	4	"	Feb-98	13	0.2	0.9
LEF Drive Actuator	4	"	Dec-97	11	0.2	0.7
Weapons Bay Drive	4	"	Oct-97	9	0.1	0.3
Launchers	4	"	Feb-98	13	0.1	0.4
Sensor Stick Force	4	"	Sep-97	6	0	0.1
Ammo Handling	4	"	Feb-98	13	0.2	0.7
Convertor-Regulator	4	"	Oct-97	9	0.1	0.2
Fuel Mgt System	4	"	Feb-98	13	0.1	0.3
Titanium	Bulk	"	Feb-98	13	0.2	0.7
Composite Material	Bulk	"	Aug-97	7	0.2	1.1
Forgings	Bulk	"	Mar-98	14	0.8	3.3
Other	N/A	"	Jan-98	12	1.6	6.5
2. GFE (Specify)	0					0
3. TOTAL	N/A					52.9

NARRATIVE DESCRIPTION

* Advance Procurement is required in FY97 to support the 4 Pre-Production Verification (PPV) Aircraft manufactured in FY98.

Specific advance procurement items and lead times may change as the result of economic factors and program evolution.

Exhibit P-10 Weapon System Advance Procurement Analysis/Justification

P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET	DATE February 6, 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	P-1 ITEM NOMENCLATURE F-15E

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	0	0	0	0	0
COST (MILLIONS)	28.6	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0	49.1
INITIAL SPARES	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
TOTAL (MILLIONS)	28.6	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0	49.1
UNIT COST (MILLIONS)	0	0	0	0	0	0	0	0	0	0

MISSION AND DESCRIPTION: The F-15 tactical fighter is designed for the counter air mission. Air-to-air tasks include combat air continental air defense, escort and fighter sweeps in or out of the enemy's ground-controlled intercept. environment. The F-15 is a twin engine single crew fixed swept aircraft designed for high maneuverability in air-to-air combat. Two 24,000 lb. thrust, Pratt & Whitney F-100 turbofan engines enable the F-15 to reach a dash speed of mach 2.5.

The F-15E (Dual Rate Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting and Infrared for night (Lantirn) capability automatic terrain following/terrain avoidance, and other improvements necessary to fulfill the deep penetration and night/under-the-weather air-to-air surface attack mission.

EXHIBIT P-40 Budget Item Justification Sheet

P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET	DATE February 6, 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	P-1 ITEM NOMENCLATURE F-16 PROCUREMENT

	PRIOR YEARS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	2189	12	0	0	0	0	0	0	0	0	2201
COST (MILLIONS)	31728.9	449.3	75.0	0	0	0	0	0	0	0	32253.2
INITIAL SPARES	2821.7	1.2	7.8	0	0	0	0	0	0	0	2830.7
TOTAL (MILLIONS)	34550.6	450.5	82.8	0	0	0	0	0	0	0	32253.2
UNIT COST (MILLIONS)	15.784	37.542	0	0	0	0	0	0	0	0	14.654

MISSION AND DESCRIPTION: The F-16 Multimission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for the 0.8 Mach speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of a 20mm cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordinance. The F-16 will replace the F-4s in the active inventory as well as modernize the reserve forces.

NOTE: FY96 through FY01 funding requirements are addressed in Budget Activity 7, F-16 Post Production Support.

EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET

DATE:
6-Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA02, TACTICAL AIRCRAFT

P-1 ITEM NOMENCLATURE

C-17A

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY	20	6	6	8	0	0	0	0	0	0	40.0
COST (in Millions)	7173.6	2086.30	2342.0	2402.5	72.0	74.9	76.8	75.2	74.5		14377.8
Initial Spares (in M)	422.5	29.5	102.8	117.5	83.9	78.1	33.9	16.5			884.7
Total (in Millions)	7596.1	2115.8	2444.8	2520.0	155.9	153.0	110.7	91.7	74.5	0.0	15262.5
Unit Cost (in M)*	379.8	352.6	407.5	315.0							1454.9

MISSION AND DESCRIPTION:
Develops and procures C-17 airlift aircraft which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment and resupply of combat forces to meet mobility requirements of theater Commanders. Provides intratheater outsize/airdrop capability not available within the current force structure. Will provide force modernization and replace lost capability of retiring some C-141 aircraft.

FY96 Program Justification:
Funding will provide for procurement of 8 aircraft with attendant support.
Includes funding for program management administration (PMA) for technical, engineering, and acquisition support

FY95 Program Justification:
Funding will provide for procurement of 6 aircraft and attendant support.

FY94 Program Justification:
Funding will provide for procurement of 6 aircraft and attendant support

NOTE:
Continuation of the C-17 program beyond 40 aircraft will be determined at the Milestone III Defense Acquisition Board scheduled for November 1995.

P-1 Shopping List
Item No.

P-40 FOR ADVANCED BUY

DATE:
6-Feb-95

BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT (ADV BUY) , AF/BA02, TACTICAL AIRLIFT

P-1 ITEM NOMENCLATURE

C-17A

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY	20	6	6								32
COST (in Millions)	808.9	222.2	189.9								1221.0
Initial Spares (in M)	0.0	0.0	0.0								0.0
Total (in Millions)	808.9	222.2	189.9								1221.0
Unit Cost (in M)*	40.4	37.0	31.7								109.1

MISSION AND DESCRIPTION:
Develops and procures C-17 Airlift Aircraft which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility requirements of theater Commander. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and replace lost capability of retiring some C-130 and C-141 aircraft.

FY95 PROGRAM JUSTIFICATION:
Funding will provide for the advance procurement of 8 aircraft with attendant support.

FY94 PROGRAM JUSTIFICATION:
Funding will provide for the advance procurement of 6 aircraft with attendant support.

NOTES:
To continue the C-17 program at the current level of 8 aircraft in FY97, $183.8 million would be required for advance procurement in FY96.
These funds will be sourced, pending the outcome of the Milestone III Defense Acquisition Board review scheduled for November 1995.

P-1 Shopping List
Item No.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	Appropriation/Budget Activity Title/No. 3010/10C17A	B. Weapon Model/Series/ Popular Name C-17A	C. Manufacturer Name Plant City/State location McDonnell Douglas Long Beach, CA	D. Date 06-Feb-95

Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	6.0 Tot. Cost	FY95 Unit Cost	6.0 Tot. Cost	FY96 Unit Cost	8.0 Tot. Cost	FY97 Unit Cost	0.0 Tot. Cost
1 Airframes/CFE	A	275.4	1652.1	270.5	1623.2	237.8	1902.0	0	1.3
2 ENGINE/ACCESSORIES(4 PER A/C) (F117-PW-100)	A	24.0	144.1	23.7	142.1	25.1	201.0	0	0.0
3 AVIONICS									
A. CFE	A	8.4	50.6	9.4	56.4	8.5	68.2	0	0.0
B. GFE	A	0.6	3.6	0.9	5.7	1.0	7.8	0	0.0
4 OTHER GFE	A	0.1	0.7	0.2	1.4	0.2	1.9	0	0.0
5 ECO (All Flyaway Components)	A	19.2	114.9	21.7	130.3	9.0	71.8	0	0.0
6 NON-RECURRING COSTS									
Contractor	A		12.4		0.0		0.0		0.0
Cost Reduction	A		12.2		73.7		104.3		0.0
Hazmat	A		0.0		20.0		0.0		0.0
7 SETTLEMENT	A		0.0		178.0		0.0		0.0
8 Subtotal FLYAWAY COST		327.7	1990.6	326.5	2230.8	281.6	2356.9	0	1.3
9 AIRFRAME PGSE	A		22.3		31.0		48.0		0.0
10 COMMON SUPPORT EQUIP	A		18.2		9.1		7.9		0.0
11 PECULIAR TRAINING EQUIPMENT	A		38.2		42.6		77.8		0.0
12 PUBLICATIONS/TECH. DATA	A		16.9		39.2		14.9		0.0
13 OFP S/W	A		0.0		12.0		12.4		0.0
14 RM&A	A		0.0		0.0		20.0		0.0
15 ICS	A		28.7		35.6		54.5		70.7
16 MISSION SUPPORT	A		0.0		0.0		0.0		0.0
17 Subtotal SUPPORT COST		0.0	124.3	0.0	169.5	0.0	235.5	0.0	70.7
18 GROSS P-1 END COST		327.7	2114.9	326.5	2400.3	281.6	2592.4	0	72.0
19 LESS: PRIOR YR ADV. PROC (FY95 = $26M-FY93 & $222.2M-FY94)	A		250.9		248.2		189.9		0.0
20 NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)		327.7	1864.0	326.5	2152.1	281.6	2402.5	0	72.0
21 Plus Current Year ADV. PROC.	A		222.2		189.9		0.0		0.0
22 Other Non P-1 Weapon System Costs									
Initial Spares	A		29.5		102.8		117.5		83.9
Mods	A		3.5		6.2		15.0		28.9
Common Age CSE	A		0.0		0.0		0.0		0.0
TOTAL	0	327.7	2119.2	326.5	2451.0	281.6	2535.0	0	184.8

NOTES:

--This document only accounts for the 40 aircraft the Department of Defense intends to procure prior to Milestone IIIB. Forty is considered an appropriate commitment to evaluate whether demonstrated program cost, schedule, and performance warrants completing the 120 aircraft program.

P-5EXHIB.XLS

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE 06-Feb-95

B. Appropriation/Budget Activity
AIRCRAFT PROCUREMENT/BAO2/AIRLIFT

C. P-1 Item Nomenclature
C-17A

Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY94	McDonnell Douglas	C/FPI	AMC/ASC	Jun-94	Aug-95	6	303.7		N/A	
FY95	McDonnell Douglas	C/FPI	AMC/ASC	Apr-95	Aug-96	6	311.9			
FY96	McDonnell Douglas	C/FPI	AMC/ASC	Dec-95	Aug-97	8	256.5			
PROPULSION										
FY94	Pratt & Whitney	FFP	AMC/ASC	Jun-94	Jul-94	6	24.0		N/A	
FY95	Pratt & Whitney	FFP	AMC/ASC	Feb-95	Jun-95	6	23.7			
FY96	Pratt & Whitney	FFP	AMC/ASC	Jan-96	May-96	8	25.1			

REMARKS:

-- Engine Unit Cost are per shipset of 4 engines
--Air Vehicle unit cost is total of Air Vehicle, Avionics (CFE and GFE), Other GFE, and ECO unit costs

EXHIBIT P-5A Procurement History and Planning

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A (COMPARISON OF REQUEST TO EXECUTIONS) (TOA, Dollars In Thousands)				Prior Year for Fiscal Year Program -- FY94 DATE 6 Feb 1995		
Weapon System Type (Model/Series No.) C-17A	First System Award Date Apr-94		First System Completion Date Aug-96	Interval Between System Completions		
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actual	Production Lead Time In Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested ($ In Millions)	Actual Contract Cost ($ In Millions)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. AIRCRAFT CFE	6	Apr-94	Aug-96	4 Mo Admin/35 Mo Production	213.6	212.0
2. AIRCRAFT GFE					8.6	8.6
3. SUBTOTAL	0				222.2	220.6
4. EOQ(MYP)	0				0	0
5. TOTAL					222.2	220.6

--No FY94 advanced buy will be used for the Lot VII engine procurement contract. The Lot VII contract has been delayed. This was done to accomodate the contractor request to more closely align the Lot VII terms and conditions with a commercial procurement, and incorporate the provisions of the 1994 Acquisition Streamlining Act.

Exhibit P-10A2 Advance Procurement Execution/Request Comparison

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A
(COMPARISON OF REQUEST TO EXECUTIONS)
(TOA, Dollars in Thousands)

Current Year for Fiscal Year Program -- FY95
DATE 6 Feb 1995

Weapon System Type (Model/Series No.)	First System Award Date	First System Completion Date	Interval Between System Completions
C-17A	Jan-95	Aug-97	

Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actual	Production Lead Time in Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested	Actual Contract Cos
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. AIRCRAFT CFE	8	Feb-95	Aug-97	4 Mo Admin/35 Mo Production	180.8	
2. AIRCRAFT GFE					9.1	
3. SUBTOTAL					189.9	
4. EOQ(MYP)	0				0.0	
5. TOTAL					189.9	

NARRATIVE DESCRIPTION

--Based on the decision not to use FY94 advance buy for Lot VII engines, no advance buy funding for the engines is planned. The funds that had been budgeted will be used for the aircraft advance procurement, which has a projected shortfall in funds. the provisions of the 1994 Acquisition Streamlining Act.

Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material) (TOA, Dollars in Thousands)				Budget Year 1 for Fiscal Year Program --FY96 DATE 6 FEB 95		
Weapon System Type (Model/Series No.) C-17A	First System Award Date		First System Completion Date	Interval Between System Completions (Months)		
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months(Adm/Prod)-Total	Unit Cost	Total Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. AIRCRAFT CFE	0					0
2. AIRCRAFT GFE	0					0
3. SUBTOTAL	0					0
4. EOQ(MYP)	0					0
5. TOTAL						0

-To continue the C-17 program at the current level of 8 aircraft in FY97 would require $183.8M of advance procurement in FY96. These funds will be sourced, pending a decision at the Milestone III Defense Acquisition Board review scheduled for November 1995, from the budgeted Strategic Airlift funding.

Exhibit P-10 Weapon System Advance Procurement Analysis/Justification

FY96/7 BUDGET PRODUCTION SCHEDULE | P-1 ITEM NOMENCLATURE | DATE 6 Feb 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR 94												FISCAL YR 95												FISCAL YR 96												LATER
					CALENDAR YR 94												CALENDAR YR 95												CALENDAR YR 96												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	AF																																								
C-17/McDonnell Douglas																																									
Lot IV/FY92		4									1	1	1		1																										
C-17/McDonnell Douglas																																									
Lot V/FY93		6														1		1		1	1		1		1																
C-17/McDonnell Douglas																																									
Lot VI/FY94		6																									1		1		1		1		1		1				
C-17/McDonnell Douglas																																							1		5
Lot VII/FY95		6																																							
C-17/McDonnell Douglas																																									8
Lot VIII/FY96		8																																							
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
McDonnell Douglas	6	8	12	
3855 Lakewood Blvd				
Long Beach CA 90846				

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME PRIOR 1 OCT	MFG TIME	TOTAL AFTER 1 OCT
INIT		4	35	
REORDER				

REMARKS

P-1 SHOPPING LIST ITEM NO.

EXHIBIT P-21

EXHIBIT P-6
Acquisition Logistics and Operations and Support Funding for Selected Weapon Systems

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Complete Total
A. General Program Data									
Procurement Qty.	6	6	8						
Cum Operating Inv.									
No. of Op. Units									
OPTEMPO									
(Flying hours or miles per month)									
Readiness Obj.									
Intermediate Level									
Stand-up Date									
Depot Level Stand-up Date									
B.Acquisition Logistics Resources									
Initial Spares	29.5	102.8	117.5	83.9	78.1	33.9	16.5	0.0	0.0
War Reserve Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Field Level Common									
Supt. Eq. Proc.	18.2	9.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0
Field Level Peculiar									
Supt. Eq.									
RDT&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	22.3	31.0	48.0	0.0	0.0	0.0	0.0	0.0	0.0
Depot Level Supt.									
Eq./Software									
RDT&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Technical Data/Manuals									
RDT&E	1.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	16.9	39.2	14.9	0.0	0.0	0.0	0.0	0.0	0.0
Training Svcs. & Training Eq.									
(Crew and Maintenance)									
RDT&E	0.3	3.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	38.2	42.6	77.8	0.0	0.0	0.0	0.0	0.0	0.0
C. Operations and Support									
Manpower ($)	27.0	30.3	46.1	62.0	78.7	92.8	92.0	94.8	
Military	1008	1419	1913	2242	2764	2765	2765	2765	
Civilians	62	93	117	153	189	184	184	184	
Fuel									
Consumables	11.0	52.3	74.2	96.4	123.2	136.3	140.4	144.7	
Reparables			1.1	1.1	1.1	79.9	82.3	84.8	
Sustaining Eng. Support	37.0	55.4	60.2	53.2	58.2	61.1	62.9	64.8	
Depot Maintenance					1.1	37.6	38.7	39.9	
Indirect Support	49.0	104.5	133.3	156.2	166.6	179.8	185.1	190.8	
Interim Contractor Supt. (ICS)	28.7	35.6	54.5	70.7	73.5	75.5	73.8	73.2	465.3

Notes: --Consistent with OSD guidance, manpower and aircraft costs for the schoolhouse are captured in the indirect support category
--Manpower numbers reflect active duty and reserve requirements
--Assumes depot capability beginning in FY97 and full up in FY99, a steady-state situation under a 40 total aircraft scenario

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($000)										DATE 6 FEB 95
Appropriation/P-1 Line Item PROD 3010			Weapon System(If Applicable) C-17 TRAINERS (ATS & MTD)			Equipment Nomenclature				PE 41130F
Fin Plan	FY93/P	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
Quantity		4		1						5
Proc	161610	38200	42600	77800	0	0	0	0	0	320210
RDT&E	140500	0	0	0	0	0	0	0	0	140500
O&S	7980	6630	8050	10733	13420	16370	19320	21340	22740	126583

TRAINING SYSTEM DESCRIPTION **ATS**

Provides initial and continuous training for C-17 aircrew members. Training will be totally contractor administered and supported, with AMC evaluating the final product, a fully qualified member. The training system will be developed concurrently with the aircraft development and production. The Aircrew Training System (ATS) consists of: Weapon System Trainers (WSTs), Computer Based Trainers (CBTs), Loadmaster Stations (LSs), Cargo Compartment Trainers (CCTs) and Cockpit Systems Simulators (CCSs). The blend or mix of the components depend on the base or schoolhouse they are being delivered to. The bases are: Charleston AFB, Altus AFB .

MTD

The system is designed to reduce the maintenance training level to the lower skill levels.
The system will employ accessibility, repairability, and interchangeability features. Integration will be with the aircraft development and production.

Program is constrained to a 40 aircraft buy profile.

	P-1 Shopping List Item No.	Page No. 1	EXHIBIT P-43 Simulator & Training Device Justification

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) ($000) | DATE: 6 FEB 95

Training Device by Type: C-17 TRAINERS

Weapon System (If Applicable): ATS & MTD

Description/Justification
ATS: Provides initial and continuous training to C-17 aircrews.
MTD: Procures the devices necessary to reduce the maintenance manning level and training to the lowest level.

Financial Plan	Prior Years		FY94		FY95		FY96		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	4	160310					1	41400		0	6	201710
Concurrency Updates				37900		42300		36100				116300
Nonrecurring												
GFE												
Other(Specify)												
Total Hardware Costs		160310		37900		42300		77500		0		318010
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.												
Other(Specify)												
Total Support Costs		0		0		0		0		0		0
Software/Courseware		1300		300		300		300				2200
TOTAL COSTS		161610		38200		42600		77800		0		320210

P-1 Shopping List Item No.

Page No. 3

EXHIBIT P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) ($000) | DATE: 6 FEB 95

Appropriation/ P-1 Line Item	Weapon System	IOC Date Aircraft	Equipment Nomenclature	PE
3010	C-17 Trainers	Jan-95		41130F

Training Device By Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years Qty	Prior Years Cost	FY94 Qty	FY94 Cost	FY95 Qty	FY95 Cost	FY96		FY97 Qty	FY97 Cost
MTD														
1 suite	Altus	94-95	As Units Accepted	TBD	1	79100		22100		26100		36400		0
ATS														
wst	Base C	Jul-94	Jul 94	318	3	82510		16100	1	16500			0	0
wst	Base B	Apr-95	As Accepted	224										
wst	Base B	Oct-95	As Accepted	224										
wst	TBD	Apr-98	As Accepted	TBD							1	41400	0	0
				TOTAL		161610		38200		42600		77800	0	0

	P-1 Shopping List	Item No.	Page No.	EXHIBIT P-43
			2	

P-40 FOR ADVANCE PROCUREMENT

BUDGET ITEM JUSTIFICATION SHEET	DATE Feb-95
APPROPRIATION/BUDGET ACTIVITY 3010/10400J ($M)	P-1 ITEM NOMENCLATURE C-130H HERCULES

	PRIOR YEARS	FY (PY) 94	FY (CY) 95	FY (BY1) 96	FY (BY2)97	FY (BY+1) 98	FY (BY+2) 99	FY (BY+3) 00	FY (BY+4) 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
COST (MILLIONS)	527.10	42.20	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.60
INITIAL SPARES (MILLIONS)	23.60	1.10	15.80	14.30	14.70	30.00	24.10	23.20	16.70	0.00	163.50
TOTAL (MILLIONS)	550.70	43.30	47.10	14.30	14.70	30.00	24.10	23.20	16.70	0.00	764.10
UNIT COST (MILLIONS)	34.42	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

MISSION AND DESCRIPTION:
The C-130 provides the immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas through airlanding, extraction, airdrop or other delivery techniques; and the air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four T-56-A-15 turboprop engines. It has a ferry range of 4,200 NM, a service ceiling of 35,000 feet, and a cruise speed of 315 knots, and can carry a payload of 40,174 pounds. The Air Force is designated Executive Service for the C-130 production contract. The Five Year Option Contract (FYOC) covers FY92-95, effective 10 Dec 91.

FY95 PROGRAM JUSTIFICATION: THE FY95 PROGRAM PROVIDES FOR RESIDUAL TASKS AND SUPPORT REQUIREMENTS FOR THE FY92/93 ACC AIRCRAFT

EXHIBIT P-40 Line Item 8

FY96/7 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: C-130H HERCULES

DATE: 6-Feb-95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR 94														FISCAL YR 95												LATER
					CALENDAR YR 94														CALENDAR YR 95												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	0
Air Vehicle/LASC/FY96		16	8	8												3	4		1													

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

MANUFACTURER'S NAME AND LOCATION
LOCKHEED AERONAUTICAL SYSTEMS CO.
MARIETTA, GA.
*See Remarks

PRODUCTION RATES				
MINIMUM	1-8-5	MAX	RC HD D+	
SUST				

PROCUREMENT LEAD TIME					
	ADMIN LEAD TIME			MPQ TIME	TOTAL AFTER 1 OCT
	PRIOR 1 OCT	PRIOR 1 OCT			
	6				

INIT
RECORDER
P-1 SHOPPING LIST ITEM NO.

REMARKS:
Production rates at Lockheed are determined by more that one customer.
The aircraft that our organization purchases are "off the shelf" aircraft.
Our lead time is based solely on administrative contract actions.
Delivery time is also dependent on peculiar package to each aircraft

PAGE 1 OF 1
EXHIBIT P-21

BUDGET ITEM JUSTIFICATION SHEET				DATE Feb-95							
APPROPRIATION/BUDGET ACTIVITY 3010/10400J ($M)				P-1 ITEM NOMENCLATURE C-130J							
	PRIOR YEARS	FY (PY) 94	FY (CY) 95	FY (BY1) 96	FY (BY2)97	FY (BY+1) 98	FY (BY+2) 99	FY (BY+3) 00	FY (BY+4) 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	2	2	2	2	2	2	0	12
COST (MILLIONS)	0	0	0	88.6	92.8	98.8	95.7	95.9	94.4	0.0	566.2
INITIAL SPARES (MILLIONS)	0	0	0	17.0	19.4	12.5	12.9	13.3	13.7	0.0	88.8
TOTAL (MILLIONS)	0	0	0	105.6	112.2	111.3	108.6	109.2	108.1	0.0	655
UNIT COST (MILLIONS)	0	0	0	52.8	56.1	56.7	54.3	54.6	54.1	0.0	0

MISSION AND DESCRIPTION:
The C-130 provides the immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas through airlanding, extraction, airdrop or other delivery techniques; and the air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four AE2100 turboprop engines. It has a ferry range of 3,800 NM, a service ceiling of 27,000 feet, and a cruise speed of 320 knots, and can carry a payload of 42,200 pounds. The Air Force is designated Executive Service for the C-130 production contract.

FY96 PROGRAM JUSTIFICATION: The C-130J will replace the aging C-130E models. The C-130J model will have an upgraded two crew member cockpit, modern technology avionics and new engines and propellers. C-130J will provide improvements in reliability and maintainability thus securing reductions in operating and support costs and improved availability.

FYDP includes funding for program management administrative (PMA) requirements for technical, engineering and acquisition support.

EXHIBIT P-40 Line Item 9

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) ($M)	A. Appropriation/Budget Activity Title/No. 3010/10400J		B. Weapon Model/Series/ Popular Name C-130J			C. Manufacturer Name Plant City/State location LOCKHEED/MARIETTA, GA		D. Date Month/Year 6-Feb-95	
Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	QTY Tot. Cost	FY95 Unit Cost	Qty Tot. Cost	FY96 Unit Cost	Qty (2) Tot. Cost	FY97 Unit Cost	Qty (2) Tot. Cost
1. Airframes/Engine (4 per A/C) (Eng Model: ALLISON AE2100)	A					44.3	88.6	46.4	92.8
2. AVIONICS									
A. CFE									
B. GFE									
3. ARMAMENT									
4. OTHER GFE									
5. ECO (All Flyaway Components)									
6. NON-RECURRING COSTS									
(Tooling)									
(Other)									
7. OTHER COSTS									
8. Subtotal FLYAWAY COST		0	0	0	0	0	44.3	88.6	46.4	92.8
9. AIRFRAME PGSE	A								
10. ENGINE PGSE									
11. AVIONICS PGSE									
12. PECULIAR TRAINING EQUIPMENT									
13. PUBLICATIONS/TECH. DATA									
14. ECO (All Support Items)									
15. OTHER (TEST/MISSION) PMA (PAP 56) TRANSFER	A						0.034		0.017
16. Subtotal SUPPORT COST		0	0	0	0	0	44.3	88.6	46.4	92.8
17. GROSS P-1 END COST									
18. LESS: PRIOR YR ADV. PROC (Breakout by Prior FY offunding)		0	0	0	0	0	44.3	88.6	46.4	92.8
19. NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)									
20. Plus Current Year ADV. PROC.									
21. Other Non P-1 Weapon System Costs							17		19.4
22. Initial Spares									
23. Mods									
TOTAL		0	0	0	0	0	52.8	105.6	56.1	112.2

NOTE: Aircraft has not been defined well enough to determine seperate costs. Total cost has not yet been fully determined (still in early stages).

BUDGET PROCUREMENT HISTROY AND PLANNING EXHIBIT (P-5A)

A. DATE 6-Feb-95

B. Appropriation/Budget Activity
010/10400J

C. P-1 Item Nomenclature
C-130J

Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
96	LASC Marietta, Ga.	SS/FP	AFMC	May-95	Jun-97	2	44.3M	No	Yes	Feb-95
97	LASC Marietta, Ga.	SS/FP	AFMC	TBD	TBD	2	46.4	No	Yes	Feb-95

D> REMARKS

Air Vehicle: FY96 a/c are in the planning stages to be purchased under a Five Year Option Contract (FYOC). The engines are being provided as Contractor Furnished Equipment (CFE) and are included in the air vehicle price.

FY97: Award and delivery dates are not available at this time. Based upon the fact that FY96 actions are not definiite.

6-Feb-95

EXHIBIT P-6: C-130J PROGRAM
3010 APPROPRIATION ($000s)
Acquisition Logistics and Operations and Support Funding for Selected Weapon Systems

	94	95	96	97	98	99	00	01	To Complete	Total
A. General Program Data										
Procurement Qty.	0	0	2	2	2	2	2	2	TBD	TBD
Cum Operating Inv.	0	0	2	4	6	8	10	12	TBD	TBD
No. of Op. Units										
OPTEMPO										
(Flying hours or miles per month)										
Readiness Obj.										
Intermediate Level										
Stand-up Date										
Depot Level Stand-up Date										
B.Acquisition Logistics Resources										
Initial Spares	0	0	16976	19442	12530	12929	13328	13727	TBD	TBD
War Reserve Spares										
Field Level Common										
Supt. Eq. Proc.										
Field Level Peculiar										
Supt. Eq.										
RDT&E										
Proc. (AERONAUTICAL VEHICLE)										
Depot Level Supt.										
Eq./Software										
RDT&E										
Proc.										
Technical Data/Manuals										
RDT&E										
Proc.										
Training Svcs. & Training Eq.										
(Crew and Maintenance)										
RDT&E										
Proc.										
C. Operations and Support *										
Manpower (Nos. and dollars)										
Military										
Officer										
Enlisted										
Civilians										
Fuel										
Consumables										
Reparables										
Sustaining Eng. Support										
Interim Contractor Supt. (ICS)										

* FIGURES NOT AVAILABLE.

FY96/7 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: C-130J

DATE: 6-Feb-95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR 94			CALENDAR YR 94											FISCAL YR 95			CALENDAR YR 95										LATER
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Air Vehicle/LASC/FY96	AF	12	0	TBD																												12 (TBD)
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

MANUFACTURER'S NAME AND LOCATION
Lockheed Aeronautical Systems Co.
Marietta, Ga.
See Remarks

PRODUCTION RATES			RC HD D+
MINIMUM SUST.	1-8-5	MAX	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME PRIOR 1 OCT		MPQ TIME	TOTAL AFTER 1 OCT
INIT	6				

RECORDER
P-1 SHOPPING LIST ITEM NO.

REMARKS

The production rates vary due to Lockheed's variety of customers. Max and Mins for rates of production vary yearly based on need. The J Model is still contingent upon several approvals. Like the H, model the J model will also be an 'off the shelf' aircraft.

FY96// BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE

C-130J

DATE: 6 Feb 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YR 96												FISCAL YR 97												LATER
				CALENDAR YR 96												CALENDAR YR 97									
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	10 (TBD)
AIR VEHICLE/LASC/FY96																					2							
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

REMARKS:
FUTURE DATES HAVE NOT ALL BEEN DETERMINED DUE TO FUNDING ISSUES

65

BUDGET ITEM JUSTIFICATION SHEET

DATE:
6-Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA02, TACTICAL AIRCRAFT

P-1 ITEM NOMENCLATURE

STRATEGIC
AIRLIFT/NDAA

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY											
COST (in Millions)	0.0	98.00	0.0	184.0	2568.1	2660.5	3919.6	4156.5	4301.3		17790.0
Initial Spares (in M)											
Total (in Millions)	0.0	0.0	0.0	184.0	2568.1	2660.5	3919.6	4156.5	4301.3		17790.0
Unit Cost (in M)*											

MISSION AND DESCRIPTION:

Funding supports acquistion of an existing military or commercial aircraft as determined by the Milestone III Defense Acquisition Board review scheduled for Nov 1995.

FYDP Includes funding for program management administration (PMA) for technical, engineering and acquisition support.

P-1 Shopping List
Item No. 10 and 11

P-40 FOR ADVANCE PROCUREMENT

BUDGET ITEM JUSTIFICATION SHEET

DATE 6-Feb-95

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT (ADVANCE BUY)/BA01, COMBAT AIRCRAFT

3010 FY96 PRESIDENT'S BUDGET (PB)

P-1 ITEM NOMENCLATURE

T-3A - ENHANCED FLIGHT SCREENER (EFS)

	PRIOR YEARS	FY 94	FY 95	FY 96	FY 97	FY 98	FY99	FY00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	80	33	0	0	0	0	0	0	0	0	113
COST (MILLIONS)	28.7	9.9	0.0	0	0	0	0	0	0	0	38.6
INITIAL SPARES	0.0	1.6	0.0	0	0	0	0	0	0	0	1.6
TOTAL (MILLIONS)	28.7	11.5	0.0	0	0	0	0	0	0	0	40.2
UNIT COST (MILLIONS)	0.4	0.3	0.0	0	0	0	0	0	0	0	

MISSION AND DESCRIPTION:

The T-3A - Enhanced Flight Screener (EFS) is required to provide a uniform Air Force flight screening program. T-3A will ensure AETC ability to select the best qualified candidates for Specialized Undergraduate Pilot Training (SUPT) and reduce the attrition rate in SUPT through comprehensive screening. The T-3A aircraft is Slingsby's M200 Firefly missionized with avionics and a large engine (New designation is the M260). T-3A is a commercial replacement to the single-engine, high wing T-41A and T-41C based at Hondo, TX and the United State Air Force Academy (USAFA). The aircraft is certified IAW Federal Aviation Regulation (FAR) part 23 acrobatic standards.

FYCy PROGRAM JUSTIFICATION: N/A

FYBy1 PROGRAM JUSTIFICATION: N/A

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET FY96 PRESIDENT'S BUDGET ($ M)	DATE 6 Feb 95
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT	P-1 ITEM NOMENCLATURE Joint Primary Aircraft Training System (JPATS)/84740F

	PRIOR YRS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMP	TOTAL
QUANTITY	0	0	3	3	12	18	18	24	30	264	372
COST (Millions)	0.0	0.0	92.7	55.0	109.1	132.4	136.9	169.1	222.9	2374.4	3292.5
INITIAL SPARES (Millions)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	277.1	277.1
TOTAL (Millions)	0.0	0.0	92.7	55.0	109.1	132.4	136.9	169.1	222.9	2651.5	3569.6
UNIT COST (Millions)	0	0	30.9	18.3	9.1	7.4	7.6	7.0	7.4	10.0	9.6

MISSION AND DESCRIPTION:

JPATS is planned as a joint USAF/USN venture to replace the Services' fleet of primary trainer aircraft (T-37/T-34 respectively) and associated GBTS. The USAF's T-37 aircraft average over 30 years of age. They have antiquated, increasingly unsupportable and non-representative avionics as well as underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF will serve as the Lead or Executive Service.

The Program Management Administrative (PMA) initiative costs for the JPATS program are identified separately for FY96 - FY01 on the P-5 exhibit attached.

The USAF planned quantity is 372, with the first procurement in FY95.

The JPATS program will acquire a non-developmental aircraft. Missionization may occur after contract award.

FY95 (CY) PROGRAM JUSTIFICATION: Procure 3 aircraft and associated support. Aircraft are required to begin student training at Randolph AFB, TX.

FY96 (BY1) PROGRAM JUSTIFICATION: Procure 3 aircraft and associated support. Aircraft are required to begin student training at Randolph AFB, TX.

Identification Code: N/A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) FY96 PRESIDENT'S BUDGET ($ M)	A. Appropriation/Budget Activity Title/No. 3010 84740F		B. Weapon Model/Series/ Popular Name Joint Primary Aircraft Training System (JPATS)			C. Manufacturer Name Plant City/State location TBD		D. Date Month/Year 6 Feb 95	
Weapon System Cost Elements	Ident. Code	PY (FY94) Unit Cost	QTY 0 Tot. Cost	CY (FY95) Unit Cost	Qty 3 Tot. Cost	BY1 (FY96) Unit Cost	Qty 3 Tot. Cost	BY2 (FY97) Unit Cost	Qty 12 Tot. Cost
1. AIRFRAME/CFE/SE/PM	N/A		0	8	25	7	20	5	66
2. ENGINE/ACCESSORIES (SEE NOTE 1) (Eng Model: TBD)				0	0	0	0	0	0
3. AVIONICS									
A. CFE				1	2	1	2	1	9
B. GFE				0	0	0	0	0	0
4. ARMAMENT				0	0	0	0	0	0
5. OTHER GFE				0	0	0	0	0	0
6. ECO (All Flyaway Components)				2	5	5	14	2	21
7. NON-RECURRING COSTS				9	26	2	6	0	3
8. OTHER COSTS				0	0	0	0	0	0
9. Subtotal FLYAWAY COST		0	0	19	58	14	42	8	98
10. AIRFRAME PGSE				0	0	0	0	0	0
11. ENGINE PGSE				0	0	0	0	0	0
12. AVIONICS PGSE				0	0	0	0	0	0
13. PECULIAR TRAINING EQUIPMENT				0	1	0	1	0	1
14. PUBLICATIONS/TECH. DATA				1	4	1	3	0	3
15. ECO (Flyaway)				0	0	0	0	0	0
16. OTHER (SEE NOTE 2 & 3)				10	30	3	9	1	8
17. Subtotal SUPPORT COST		0	0	12	35	4	13	1	12
18. GROSS P-1 END COST		0	0	31	93	18	55	9	109
19. LESS: PRIOR YR ADV. PROC		0	0	0	0	0	0	0	0
20. NET P-1 FULL FUNDING COST		0	0	31	93	18	55	9	109
21. Plus Current Year ADV. PROC.		0	0	0	0	0	0	0	0
Other Non P-1 Weapon System Costs									
22. Initial Spares		0	0	0	0	0	0	0	0
23. Mods		0	0	0	0	0	0	0	0
24. TOTAL		0	0	31	93	18	55	9	109

NOTES:
1. ENGINE COST INCLUDED IN AIRFRAME COST
2. OTHER INCLUDES AWARD FEE, TEST, SITE ACTIVATION/PRE-OPS PLAN & ICS.
3. Program Management/Administration INITIATIVE TRANSFERS INCLUDED IN OTHER ARE DETAILED IN WHOLE DOLLARS, AS FOLLOWS: FY96=$30,000; FY97=$31,000, FY98=$32,000; FY99=$33,000; FY00=$34,000; FY01=$35,000

THE UNIT AND TOTAL COST WILL NOT MATCH P-40 EXHIBIT DUE TO THE REQUIREMENT TO ROUND TO THE NEAREST WHOLE DOLLAR.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) FY96 PRESIDENT'S BUDGET	A. DATE 6 Feb 95
B. Appropriation/Budget Activity 3010/84740F	C. P-1 Item Nomenclature Joint Primary Aircraft Training System (JPATS)

Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY94	None	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
FY95	Unknown	C/FPO	AFMC	Aug-95	Jun-98	3	19	Yes	No	N/A
FY96	Unknown	C/FPO	AFMC	May-96	Dec-98	3	14	Yes	No	N/A
FY97	Unknown	C/FPO *	AFMC	Feb-97	Mar-99	12	8	N/A	N/A	N/A

D. REMARKS:

Variations in Unit Cost from FY to FY: There is a significant amount of non-recurring associated with FY95 which decreases in FY96 and FY97.

* FPIF with EPA with Award Fee

FY96/7 BUDGET PRODUCTION SCHEDULE
FY96 PRESIDENT'S BUDGET

P-1 ITEM NOMENCLATURE
Joint Primary Aircraft Training System (JPATS)

DATE
6 Feb 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR PY 94			CALENDAR YR PY (94)											FISCAL YR CY 95			CALENDAR YR CY (95)									FISCAL YR BY1 96			CALENDAR YR BY1 (96)							LATER
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Air Vehicle	AF																																							
FY94		0	0	0																																				0
FY95		3	0	0																																				3
FY96		3	0	0																																				3
FY97		12	0	0																																				0*
Air Vehicle	N																																							0**
FY94		0	0	0																																				0
FY95		0	0	0																																				0
FY96		0	0	0																																				0
FY97		0	0	0																																				
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
TBD				

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME PRIOR 1 OCT		MFG TIME	TOTAL AFTER 1 OCT
INIT	TBD	TBD		TBD	TBD
RECORDER	TBD	TBD		TBD	TBD

P-1 SHOPPING LIST ITEM NO

REMARKS

* FY97 DELIVERIES REFLECTED ON PAGE 2 OF 3.

** FIRST NAVY BUY IN FY00.

FY96/7 BUDGET PRODUCTION SCHEDULE
FY96 PRESIDENT'S BUDGET

P-1 ITEM NOMENCLATURE
Joint Primary Aircraft Training System (JPATS)

DATE
6 Feb 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR BY2 97														FISCAL YR BY2+1 98												FISCAL YR BY2+2 99									LATER
					CALENDAR YR PY (97)														CALENDAR YR CY (98)												CALENDAR YR BY1 (99)									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Al[redacted]	AF																																							0
FY[redacted]		0	0	0																					1		1		1											0
FY95		3	0	3																											1	1	1							0
FY96		3	0	3																														1	1	1	1	1	1	5
FY97		12	0	0																																				
Air Vehicle	N																																							0
FY94		0	0	0																																				0
FY95		0	0	0																																				0
FY96		0	0	0																																				0
FY97		0	0	0																																				
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

[redacted]CTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
TBD				

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	PRIOR 1 OCT	[redacted]	MFG TIME	TOTAL AFTER 1 OCT
INIT	TBD	TBD	[redacted]	TBD	TBD
RECORDER	TBD	TBD	[redacted]	TBD	TBD

P-1 SHOPPING LIST
ITEM NO

REMARKS

FY96/7 BUDGET PRODUCTION SCHEDULE
FY96 PRESIDENT'S BUDGET

P-1 ITEM NOMENCLATURE
Joint Primary Aircraft Training System (JPATS)

DATE
6 Feb 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR BY2+3 00												FISCAL YR BY2+4 01												FISCAL YR BY2+5 02												LATER
								CALENDAR YR BY5 (00)												CALENDAR YR BY6 (01)												CALENDAR YR BY7 (02)								
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Air Vehicle	AF																																								0
FY94		0	0	0																																					0
FY95		3	3	0																																					0
FY96		3	3	0																																					0
FY97		12	7	5	1	1	1	1	1																																
Air Vehicle	N																																								0
FY94		0	0	0																																					0
FY95		0	0	0																																					0
FY96		0	0	0																																					0
FY97		0	0	0																																					
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
TBD				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	PRIOR 1 OCT		MFG TIME	TOTAL AFTER 1 OCT
INIT	TBD	TBD		TBD	TBD
RECORDER	TBD	TBD		TBD	TBD

REMARKS

P-1 SHOPPING LIST ITEM NO

SIMULATOR AND TRAINING DEVICE JUSTIFICATION FY96 PRESIDENT'S BUDGET				($ M)					DATE 6 Feb 95
Appropriation/P-1 Line Item 3010/Joint Primary Aircraft Training System (JPATS)			Weapon System(If Applicable) N/A			Equipment Nomenclature			PE 84740F
Fin Plan	Prior Yrs	CY (95)	BY1 (96)	BY2 (97)	BY2+1	BY2+2	BY2+3	BY2+4	Total *
Quantity	0	0	0	5 **	0	7	3	6	56**
Proc	0	0	0.0	0.0	0.0	11.2	18.3	35.2	283.8
RDT&E	0	0	3.5	42.0	47.6	45.2	16.1	1.2	155.6
O&S	0	0	0.0	0.0	0.0	0.0	5.1	9.1	1138.0

TRAINING SYSTEM DESCRIPTION

Training will consist of a single primary phase (JPATS) and a dual advanced phase in either the T-1A or T-38 aircraft. The objective of both the Air Force and the Navy is to jointly acquire an integrated training system using similar hardware with like capabilities. Components of the system include simulators, curricula, contract logisitic support and aircraft. This project represents the ground based training portion of the system.

* Total equals total of "Prior Yrs" through Completion.
** Quantity consists of 5 for RDT&E and 51 for Procurement.

	P-1 Shopping List Item No.	Page No.	EXHIBIT P-43 Simulator & Training Device Justification
		1	

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2)	($ M) FY96 PRESIDENT'S BUDGET	DATE: 6 Feb 95

Appropriation/ P-1 Line Item	Weapon System (If Applicable)	IOC Date	Equipment Nomenclature	PE
3010/JPATS	N/A	May-01		84740F

Training Device By Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years Qty	Prior Years Cost	Current Year (95) Qty	Current Year (95) Cost	Budget Year1 (96) Qty	Budget Year1 (96) Cost	Budget Year2 (97) Qty	Budget Year2 (97) Cost
OFT	Various				0	N/A	0	N/A	0	N/A	0	N/A
IFT	Various				0	N/A	0	N/A	0	N/A	0	N/A
CPT	Various				0	N/A	0	N/A	0	N/A	0	N/A
EGRESS	Various				0	N/A	0	N/A	0	N/A	0	N/A
EJECT	Various				0	N/A	0	N/A	0	N/A	0	N/A
TIMS	Various				0	N/A	0	N/A	0	N/A	0	N/A
TRNG AIDS	Various				0	N/A	0	N/A	0	N/A	0	N/A

	P-1 Shopping List	Item No.	Page No. 2	EXHIBIT P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3)	($ M)	FY96 PRESIDENT'S BUDGET	DATE: 6 Feb 95
Training Device by Type Operational Flight Trainers (OFT)		Weapon System (If Applicable)	

Description/Justification
Operational Flight Trainers (OFT) are simulators used to train pilots in operational use of all aircraft controls and instruments and includes out-of-window visual scenes.

Financial Plan	Prior Years		Current Year (95)		Budget Year 1 (96)		Budget Year 2 (97)		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	0	0	0	0	0	0	0	0	9	92.824	9	92.824
ECO's										7.426		7.426
Nonrecurring												
GFE												
Other(Specify)												
Total Hardware Costs		0		0		0		0		100.25		100.25
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.												
Other(Specify)												
Total Support Costs		0		0		0		0		0		0
Software/Courseware												
TOTAL COSTS		0		0		0		0		100.25		100.25

	P-1 Shopping List Item No.	Page No. 3	EXHIBIT P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 4)	($ M)	FY96 PRESIDENT'S BUDGET	DATE: 6 Feb 95
Training Device by Type Instrument Flight Trainers (IFT)		Weapon System (If Applicable)	

Description/Justification
Instrument Flight Trainers (IFT) are simulators used to train pilots in instrument flight procedures including: ground operations, takeoff, landing, normal instrument flight, in-flight maneuvers, communication/navigation procedures and other subsystems.

Financial Plan	Prior Years		Current Year (95)		Budget Year 1 (96)		Budget Year 2 (97)		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	0	0	0	0	0	0	0	0	17	109.028	17	109.028
ECO's										8.722		8.722
Nonrecurring												
GFE												
Other(Specify)												
Total Hardware Costs		0		0		0		0		117.75		117.75
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.												
Other(Specify)												
Total Support Costs		0		0		0		0		0		0
Software/Courseware												
TOTAL COSTS		0		0		0		0		117.75		117.75

	P-1 Shopping List Item No.	Page No. 4	EXHIBIT P-43

P-40 FOR ADVANCE PROCUREMENT

BUDGET ITEM JUSTIFICATION SHEET

DATE 6-Feb-95

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT/BA 03/TRAINER AIRCRAFT

P-1 ITEM NOMENCLATURE

T-1A TRAINING SYSTEM

	Prior Yrs	FY94	FY95	FY96	FY97	FY98	FY00	FY01	To Complete	Total
QUANTITY	113	35	32	0	0	0	0	0	0	180
COST (millions)	615	141.0	154.1	4.4	4.5					
INITIAL SPARES (millions)	9	11.9	31.1	42.4	0.4					
TOTAL (millions)	624.0	152.9	185.2	46.8	4.9					
UNIT COST (millions)	5.5	4.4	5.8	0.0	0.0					

MISSION AND DESCRIPTION:

This program is the cornerstone in the Air Force's plan to return to Specialized Undergraduate Pilot Training (SUPT). The program is an integral part of the DOD 1989 Trainer Master Plan submitted to Congress in Feb 1989. The T-1A is a Beech 400T aircraft missionized with an avionics suite representative in task management and function of current and projected operational aircraft. The ground based training system is comprised of courseware, training media, and simulators. The program entered the production phase beginning with the initial contract award (Feb 90). Two of the five AETC bases were completed during FY93 (Reese AFB and Randolph AFB). Laughlin AFB was started in Nov 93 and completed in Dec 94 (FY95). All three bases are currently training and graduating students.

FY95 PROGRAM JUSTIFICATION:
Procurement of the negotiated fifth and final program option for 32 aircraft was completed in Dec 94. This completes the planned 180 aircraft program requirement.

FY96 PROGRAM JUSTIFICATION:
Enhanced training devices are required to support the AETC training system requirements study that identified additional devices to support SUPT.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) ($ IN MILLIONS)	A. Appropriation/Budget Activity Title/No. 3010/10TTTS/84740F	B. Weapon Model/Series/ Popular Name T-1A TRAINING SYSTEM				C. Manufacturer Name Plant City/State location MCDONNELL DOUGLAS TRNG SYS, ST LOUIS, MO		D. Date Month/Year 6-Feb-95	
Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	QTY: 35 Tot. Cost	FY95 Unit Cost	Qty: 32 Tot. Cost	FY96 Unit Cost	Qty: 0 Tot. Cost	FY97 Unit Cost	Qty: 0 Tot. Cost
1. Airframes/CFE	A	4	137	4	132				
2. ENGINE/ACCESSORIES									
(Eng Model)									
3. AVIONICS									
A. CFE									
B. GFE									
4. ARMAMENT									
5. OTHER GFE									
6. ECO (All Flyaway Components)					6				
7. NON-RECURRING COSTS									
(Tooling)									
(Other)									
8. OTHER COSTS									
9. Subtotal FLYAWAY COST		4	137	4	138	0	0	0	0
10. AIRFRAME PGSE									3
11. ENGINE PGSE									
12. AVIONICS PGSE									
13. PECULIAR TRAINING EQUIPMENT					7		4		2
14. PUBLICATIONS/TECH. DATA	A		2		1				
15. ECO (All Support Items)	A		1		7				
16. OTHER	A		1		1				
17. Subtotal SUPPORT COST	A	0	4	0	16	0	4	0	5
18. GROSS P-1 END COST		4	141	4	154	0	4	0	5
19. LESS: PRIOR YR ADV. PROC (Breakout by Prior FY offunding)									
20. NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)	A	4	141	4	154	0	4	0	5
21. Plus Current Year ADV. PROC.									
Other Non P-1 Weapon System Costs									
22. Initial Spares			12		31		42		
23. Mods									
24 TOTAL		4	153	4	185	0	46	0	5

BUDGET PROCURMENT HISTROY AND PLANNING EXHIBIT (P-5A)	A. DATE 6-Feb-95
B. Appropriation/Budget Activity 3010/10TTTS	C. P-1 Item Nomenclature T-1A Training System

Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE										
FY94	MDTS, St Louis MO	FPAF	AFMC/ASC	Dec-93	Jul-95	35	4	YES	NO	
FY95	MDTS, St Louis MO	FPAF	AFMC/ASC	Dec-94	Jul-96	32	4	YES	NO	
PROPULSION	N/A									

REMARKS

Propulsion Costs are included in the air vehicle price on this program.

EXHIBIT P-5A Procurement History and Planning

FY96/7 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
T-1A Training System

DATE 6 FEB 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR 94												FISCAL YR 95												FISCAL YR 96												LATE
					CALENDAR YR PY (94)												CALENDAR YR CY (95)												CALENDAR YR BY1 (96)											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	AF																																								
FY89		1	1																																						
FY90		14	14																																						
FY91		28	28																																						
FY92		34	9	25	3	3	3	3	3	3	3	3	1																												
FY93		36		36										3	3	3	3	3	3	3	3	3	3	3	3																
FY94		35		35																						2	3	3	3	3	3	3	3	3	3	3	3				
FY95		32		32																																		2	3	3	24
FY96		0																																							
FY97		0																																							
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
MDTS (St Louis, Missouri)	3*	6*	6*	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME PRIOR 1 OCT	[redacted]	MFG TIME	TOTAL AFTER 1 OCT
INIT					
RECORDER		3	[redacted]	18	21

REMARKS

* This production rate applies to this specific contract. This is only a part of the shared commercial line.

P-1 SHOPPING LIST ITEM NO

FY96/7 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
T-1A Training System

DATE 6 FEB 95

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YR 97												FISCAL YR 98												FISCAL YR 99												LATER
								CALENDAR YR BY+1 (97)												CALENDAR YR BY+2 (98)												CALENDAR YR BY+3 (99)								
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	AF																																								
FY89		1	1																																						
FY90		14	14																																						
FY91		28	28																																						
FY92		34	34																																						
FY93		36	36																																						
FY94		35	35																																						
FY95		32	8	24	3	3	3	3	3	3	2	2	2																												
FY96		0																																							
FY97		0																																							
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAX	RC HD D+
MDTS (St Louis, Missouri)	3*	6*	6*	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME PRIOR 1 OCT	[redacted]	MFG TIME	TOTAL AFTER 1 OCT
INIT					
RECORDER		3		18	21

REMARKS

*This production rate applies to this specific contract. This is only a part of the shared commercial line.

P-1 SHOPPING LIST ITEM NO.

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($000)								DATE 6-Feb-95	
Appropriation/P-1 Line Item 3010		Weapon System(If Applicable) T-1A			Equipment Nomenclature				PE 84741F/84740F
Fin Plan	Prior Years	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
Quantity	8	1	0	0					9
Proc	75	7	4	2					86
RDT&E	6	0	0	0					6
O&S	10	9	11	12	13	13	13	14	95

TRAINING SYSTEM DESCRIPTION

The T-1A (Tanker-Transport) Training System is required to implement Specialized Undergraduate Pilot Training. The Ground Based Training System (GBTS) portion will include compatible simulators, mock-ups, courseware, syllabus, and student management for training instrument appoaches, crew coordination, asymmetric thrust situations, airdrop fundamentals, low-level navigation, airborne rendezvous, and cell formation.

	P-1 Shopping List Item No.	Page No. 1	EXHIBIT P-43 Simulator & Training Device Justification

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) ($000)												DATE: 6 Feb-95	
Appropriation/ P-1 Line Item	3010	Weapon System (If Applicable) T-1A Training System		IOC Date Jan-93	Equipment Nomenclature							PE 84741F/84740F	
Training Device By Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		Current Year		Budget Year1		Budget Year2		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
SIMULATOR	Various	8/92-7/96	FY97	966	8	75	1	7					
Enhance Trng Dev	Various	TBD	TBD							4		2	
			P-1 Shopping List		Item No.		Page No. 2		EXHIBIT P-43				

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) ($000)

DATE: 6-Feb-95

Training Device by Type
T-1A Training System

Weapon System (If Applicable)
T-1A

Description/Justification
The T-1A Ground Based Training System includes procuring and deploying the courseware and training media (including 9 simulators) to support Specialized Undergraduate Pilot Training.

Financial Plan	Prior Years		Current Year		Budget Year 1		Budget Year 2		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	8	75	1	7								82
ECO's												4
Nonrecurring												
GFE												
Other(Enhanced Trng Dev)						4		2				
Total Hardware Costs		75		7		4		2		0		86
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.												
Other(Specify)												
Total Support Costs		0		0		0		0		0		0
Software/Courseware												
TOTAL COSTS		75		7		4		2		0		86

P-1 Shopping List Item No.

Page No. 3

EXHIBIT P-43

BUDGET ITEM JUSTIFICATION SHEET

DATE:
6-Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA04

P-1 ITEM NOMENCLATURE

DRUG
INTERDICTION

	FY(PY)93	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY											
COST (in Millions)	35.0	3.0									
Initial Spares (in M)											
Total (in Millions)	35.0	3.0									
Unit Cost (in M)*											

MISSION AND DESCRIPTION:

Provides funds to acquire and modify aircraft to support CINCSOUTH "tracker" aircraft.

P-1 Shopping List
Item No. 16

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET

DATE:
6-Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA04, OTHER AIRCRAFT

P-1 ITEM NOMENCLATURE

Joint STARS

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY	2	2	2	2	2	2	2	2	3	0	19.0
COST (in Millions)	699.4	555.2	654.7	491.8	506.3	473.2	465.4	440.3	408.8	70.9	4766.0
Initial Spares (in M)	59.8	3.5	33.0	64.5	79.6	80.8	71.3	73.5	75.7	0.0	541.7
Total (in Millions)	759.2	558.7	687.7	556.3	585.9	554.0	536.7	513.8	484.5	70.9	5307.7
Unit Cost (in M)*	267.0	217.0	240.0	218.0	214.0	215.0	225.0	202.0	175.0		1973.0

MISSION AND DESCRIPTION:

The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and AF Program, with the AF as the lead service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks enemy armor and vehicular traffic and provides their locations to AF and Army Commanders to assess intentions and manage primary segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-of-maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second echelon target detection, tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in real-time, compared with current interdiction missions which are performed on a preplanned basis.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. AIRCRAFT PROCUREMENT AF/BA04/OTHER AIRCRAFT		B. Popular Name Joint STARS		C. Manufacturer Grumman Aerospace Corporation Melbourne Systems Division Melbourne, FL		D. Date 6-Feb-95	
	FY94	QTY 2	FY95	QTY 2	FY96	QTY 2	FY97	QTY 2
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. AIRFRAME	106.0	212.0	127.7	255.3	101.6	203.3	95.6	191.1
2. AVIONICS: CFE	70.4	140.8	74.3	148.5	75.5	151.0	84.2	168.3
GFE	3.2	6.3	3.2	6.4	2.9	5.8	2.7	5.4
3. ARMAMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. OTHER GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. ECO (ALL FLYAWAY COMPONENTS)	10.4	20.8	0.0	0.0	4.0	8.0	0.9	1.8
6. NON-RECURRING COSTS	0.0	0.0	0.0	0.0	3.7	7.4	0.0	0.0
7. OTHER COSTS	27.4	54.7	35.6	71.3	30.6	61.2	31.3	62.5
8. FLYAWAY COSTS	217.2	434.5	240.8	481.5	218.3	436.6	214.6	429.1
9. AIRFRAME PGSE								
10. ENGINE PGSE		6.3		7.3		13.4		6.9
11. AVIONICS PGSE		5.9		42.5		26.2		29.0
12. PECULIAR TRAINING EQUIPMENT		50.7		3.7		25.5		8.9
13. PUBLICATIONS/TECH. DATA								
14. ECO (ALL SUPPORT ITEMS)		2.6		36.2		34.7		41.3
15. OTHER								
16. SUPPORT COST		65.5		89.6		99.7		86.2
17. GROSS P-1 COST	217.2	500.0	240.8	571.1	218.3	536.3	214.5	515.3
18. LESS: PRIOR YR ADV. PROC.		-78.3		-123.7		-141.7		-120.0
19. NET P-1 COST	217.2	421.7	240.8	437.5	218.3	394.6	214.5	395.2
20. PLUS: CURRENT YR ADV. PROC.		133.6		218.8		97.1		111.1
21. PLUS: INITIAL SPARES		3.5		33.0		64.5		79.6
22. PLUS: MODIFICATION COSTS								
23. TOTAL	217.2	558.7	240.8	687.8	218.3	556.3	214.5	585.9

NOTE:
FY95 Unit Costs include P6 rewiring which must be done to correct non-standard configuration wiring.

EXHIBIT P-5

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE 6-Feb-95

B. APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT,AF/BA04/OTHER AIRCRAFT

C. P-1 ITEM NOMENCLATURE

Joint STARS

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AIRFRAME										
FY94	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	JUL 94	FY96	2	217.2	YES	YES	ONGOING
FY95	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	JUN 95	FY97	2	240.8	YES	YES	ONGOING
FY96	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	JUN 96	FY98	2	218.3	YES	YES	ONGOING
FY97	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	JUN 97	FY99	2	214.5	YES	YES	ONGOING
SUPPORT										
FY94	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	Nov-93	*	N/A	N/A	YES	YES	ONGOING
FY95	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	Nov-94	*	N/A	N/A	YES	YES	ONGOING
FY96	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	Nov-95	*	N/A	N/A	YES	YES	ONGOING
FY97	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	Nov-96	*	N/A	N/A	YES	YES	ONGOING

NOTE: FIRST 6 AIRCRAFT WILL BE ON A LOW RATE INITIAL PRODUCTION (LRIP) CONTRACT.

* Support Cost consist of items such as PSE, CSE, Training. Date of first delivery will be lead time to support A/C delivery schedule

FY95 Unit Costs include P6 rewiring which must be done to correct non-standard configuration wiring.

P-1 Shopping List

P-6: Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems

As Of: 6 Feb 1995

	Prior	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
A: General Program Data										
Procurement Quantity		2	2	2	2	2	2	2	2	3
Cumulative Operating Inventory					3	5	7	9	12	14
No. Operating Units					3	2	2	2	3	2
OPTEMPO (Flying hours or Miles/Month):					1410	4230	6486	8742	10716	12126
Readiness Objective: Sortie Generation Rate (S)										
FCA/PCA Audit Dates					Q2,Q3,Q4	Q1,Q4	Q2,Q4	Q2,Q4	Q2,Q4	Q2,Q4
Provisioning Date: RAA					May					
First Unit Equipped Date: IOC						March				
Intermediate Level Stand-up Date: N/A										
Depot Level Stand-up Date:					Jan					
(Combination of organic/ICS; H/W-ICS ends 98;S/W-ICS ends 00)										
B: Acquisition Logistics Resources										
Initial Spares (Stock & Non Stock fund)	11.9	47.9	3.5	33.0	64.5	79.6	80.8	71.3	73.5	75.7
War Reserve Spares (WRSK) INCL W/SPARES										
A/C RSP Nonstock fund					5.8	5.9	6.1	6.3		
PME RSP (Stock fund)				1.6	6.6	14.2	18.1	19.4	14.4	6.5
Stock Fund			2.0	6.3	39.1	55.9	56.5	52.1	64.6	67.3
Organizational Level CSE (Procurement)		1.6	2.0	1.4	10.0	10.6	3.2	2.2	2.4	
Organizational Level PSE										
Development			1.8	0.5						
Procurement		5.3			0.3	0.4	1.9	1.0	0.2	0.3
Intermediate Level CSE	N/A									
Intermediate Level PSE	N/A									
Depot Level Support Equipment/Support Services										
Computer Resource Support (DMSC, MSSF, SSF, IV&V, ICS S/W)										
Development		1.1	0.0		24.7	64.1	36.0	4.4		
Procurement		9.0			14.0	40.4	11.9	13.3	6.8	
PSE										
Procurement					1.6	1.7				
CSE										
Procurement					1.2	2.6	0.6	0.7		
Technical Data/Manuals										
Development (JMIS Development)	5.0	6.5	3.7	2.3	2.3	1.7	1.8			
Procurement (JMIS, JMIS Data, Depot TO Spt)		39.7	44.6		22.8	6.0	4.4	4.5	5.6	3.4
Training Services & Training Equipment (Crew & Maint)										
Mission Crew Trainng Capability (MCTC)										
Development			45.6	24.5	21.9	31.7	26.1			
Procurement		9.0				26.2				
Maint Trainers/IVD										
Development		0.2	4.0	8.8	4.1	5.5				
Procurement				6.5	1.3					
Flight Crew Trainers										
Development	0.2	0.1	5.6	2.9	1.9	0.3				
Type I Training										
Development	2.5	0.7	0.4	1.8	0.7					
MILCON	N/A									
ICS										
Hardware (Procurement)				34.2	8.9	13.9	15.1	16.2	9.6	
C: Operating and Support										
Manpower (Numbers and Dollars)										
Military		147/$9.1	176/$13.5	329/$25.9	338/$27.4	376/$31.4	433/$37.3	485/$43.0	485/$44.3	485/$45.6
Officer		68/$2.1	136/$4.5	476/$16.3	647/$22.9	796/$29.0	117/$41.9	1369/$52.9	1369/$54.5	1369/$56.1
Enlisted		241/$5.3	290/$11.8	372/$15.6	417/$18.0	424/$18.9	427/$19.6	436/$20.6	436/$21.2	436/$50.1
Civilian										

UNCLASSIFIED

P-6: Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems

As Of: 6 Feb 1995

	Prior	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
Fuel					1.9	5.4	7.8	10.8	17.6	26.7
Replenishment Spares (Consumables/Repairables)	NOT ESTIMATED SEPERATELY									
Depot Maintenance (A/C CLS)			0.3	4.4	10.3	16.4	20.9	26.7	31.2	35.0
Sustaining Engineering Support (CONTRACTED SPT)					1.8	1.8	1.9	1.9	2.0	2.0
Interim Logistics Support (ICS)										

FY94/95 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Joint STARS

DATE: 6 Feb 1995

~~UNCLASSIFIED~~

Item/Manufacturer/ PE: 27581F BPAC:	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97											LATER
					CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
JSTARS/GRUMMAN																																								
FY93	AF	2		2																	1			1																
FY94	AF	2		2																								1				1								
FY95	AF	2		2																																			1	1
FY96	AF	2		2																																				2
FY97	AF	2		2																																				2
FY98	AF	2		3																																				2
FY99	AF	2		2																																				2
FY00	AF	2		2																																				2
FY01	AF	3		3																																				3
TOTAL		19																																						
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RD MD D+		PROCUREMENT LEAD TIMES	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MFG TIME	TOTAL AFTER 1 OCT
Grumman Melbourne Syst Div										
PO Box 9650	1	4	5		48	INIT				
Melbourne FL 32902						REORDER	2	5	30 MOS	35 MOS

REMARKS

NO LONG LEAD TIME INCLUDED (See P-10 for Long Lead Time)

P-5 and P-6 of Lot III slipped 5 months each - P-5 due to aircraft's window frame replacements and P-6 due to rewiring correcting non-standard wiring configuration. These slips will not impact IOC and have been integrated with the user's adjusted manpower, training & flying schedules.

FY94/95 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Joint STARS
UNCLASSIFIED

DATE: 6 Feb 1995

Item/Manufacturer/ PE: 27581F BPAC:	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 98			CALENDAR YEAR 98									FISCAL YEAR 99			CALENDAR YEAR 99									FISCAL YEAR 00			CALENDAR YEAR 00								LATER
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
JSTARS/GRUMMAN																																								
FY93	AF	2		2																																				
FY94	AF	2		2																																				
FY95	AF	2		2					1																															
FY96	AF	2		2												1						1																		
FY97	AF	2		2																							1			1										
FY98	AF	2		2																													1						1	
FY99	AF			2																																				2
FY00	AF	2		2																																				2
FY01	AF	3		3																																				3
TOTAL		19																																						
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RD MD D+		PROCUREMENT LEAD TIMES	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MFG TIME	TOTAL AFTER 1 OCT
Grumman Melbourne Syst Div PO Box 9650 Melbourne FL 32902	1	4	5		48	INIT				
						REORDER	2	5	30 MOS	35 MOS

REMARKS

NO LONG LEAD TIME INCLUDED (See P-10 for Long Lead Time)

P-5 and P-6 of Lot III slipped 5 months each - P-5 due to aircraft's window frame replacements and P-6 due to rewiring correcting non-standard wiring configuration. These slips will not impact IOC and have been integrated with the user's adjusted manpower, training & flying schedules.

FY94/95 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Joint STARS

DATE: 6 Feb 1995

Item/Manufacturer/ PE: 27581F BPAC:	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT
JSTARS/GRUMMAN				
FY93	AF	2		2
FY94	AF	2		2
FY95	AF	2		2
FY96	AF	2		2
FY97	AF	2		2
FY98	AF	2		3
FY99	AF	2		2
FY00	AF	2		2
FY01	AF	3		3
TOTAL		19		

	FISCAL YEAR 01												FISCAL YEAR 02												FISCAL YEAR 03												LATER
				CALENDAR YEAR 01												CALENDAR YEAR 02												CALENDAR YEAR 03									
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY99						1						1																									
FY00																		1						1													
FY01																														1			1			1	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAX	RD MD D+		PROCUREMENT LEAD TIMES	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MFG TIME	TOTAL AFTER 1 OCT
Grumman Melbourne Syst Div PO Box 9650 Melbourne FL 32902	1	4	5		48	INIT				
						REORDER	2	5	30 MOS	35 MOS

REMARKS

NO LONG LEAD TIME INCLUDED (See P-10 for Long Lead Time)

P-5 and P-6 of Lot III slipped 5 months each - P-5 due to aircraft's window frame replacements and P-6 due to rewiring correcting non-standard wiring configuration. These slips will not impact IOC and have been integrated with the user's adjusted manpower, training & flying schedules.

BUDGET ITEM JUSTIFICATION SHEET

DATE:
6 Feb 1995

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT (ADV BUY) , AF/BA04, OTHER AIRCRAFT

P-1 ITEM NOMENCLATURE

Joint STARS

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY	4	2	2	2	2	2	2	3	0	0	19.0
COST (in Millions)	203.7	133.6	218.8	97.1	111.1	102.4	103.0	125.4	0.0	0.0	1093.7
Initial Spares (in M)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (in Millions)	203.7	133.6	218.8	97.1	111.1	102.4	103.0	125.4	0.0	0.0	1093.7
Unit Cost (in M)*											

MISSION AND DESCRIPTION:
The advanced buy funding identified is for long lead procurement of those items detailed on the P-10. It supports the LRIP effort required to meet the IOC of FY97

P-1 Shopping List
Item No. 18
Item No.19

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a)
(COMPARISON OF REQUEST TO EXECUTION)
(TOA, DOLLARS IN THOUSAND)

PRIOR YEAR FOR FISCAL YEAR PROGRAM: FY 1994 for FY 1995
Date 6 Feb 1995

Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
Radar Subsystem	2	10-May-94	FY97	(5/12) 17	12.0	24.0
Airframe	2	10-May-94	FY97	(5/12) 17	9.6	19.2
Refurb	2	10-May-94	FY97	(5/12) 17	17.2	34.4
Modification	2	10-May-94	FY97	(5/12) 17	18.9	37.8
Grp A	2	10-May-94	FY97	(5/12) 17	1.7	3.4
Lot Management	2	10-May-94	FY97	(5/12) 17	7.4	14.8
SUBTOTAL					66.8	133.6
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					66.8	133.6

NARRATIVE DESCRIPTION:
Joint STARs is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a)
(PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) UNCLASSIFIED
(TOA, DOLLARS IN THOUSAND)

CURRENT YEAR FOR FISCAL YEAR PROGRAM: FY 1995 for FY 1996
Date 6 Feb 1995

Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
Radar Subsystem	2	3QTR FY95	FY98	(5/12) 17	14.6	29.1
Airframe FY1995 for FY1996						22.8
FY1995 for FY1997						22.9
FY1995 for FY1998						24.6
FY1995 for FY1999						29.6
Total Airframe	12	3QTR FY95	FY98	(5/12) 17	8.3	99.9
Refurb	2	3QTR FY95	FY98	(5/12) 17	13.6	27.2
Modification	2	3QTR FY95	FY98	(5/12) 17	20.3	40.6
Grp A	2	3QTR FY95	FY98	(5/12) 17	1.8	3.6
Lot Management	2	3QTR FY95	FY98	(5/12) 17	8.5	16.9
SUBTOTAL					67.0	217.3
SUBTOTAL					0.0	0.0
TOTAL					67.0	217.3

NARRATIVE DESCRIPTION:
Joint STARs is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

Note:
FY95 Appropriations Bill increased JSTARS advance procurement by $99.9 million to buy out airframes.
These dollars are shown above under the Airframe line as a debit to the FY95 line and credits to the FY96 through FY99 advance procurement line.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10)
(PROCUREMENT OF ADVANCE DESIGN AND MATERIAL)
(TOA, DOLLARS IN THOUSAND)

BUDGET YEAR 1 FOR FISCAL YEAR PROGRAM: FY 1996 for FY 1997

Date 6 Feb 95

Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
Radar Subsystem	2	3QTR FY96	FY99	(5/12) 17	12.3	24.5
Airframe	0	3QTR FY96	FY99	(5/12) 17		
Refurb	2	3QTR FY96	FY99	(5/12) 17	13.6	27.1
Modification	2	3QTR FY96	FY99	(5/12) 17	13.3	26.6
Grp A	2	3QTR FY96	FY99	(5/12) 17	1.6	3.2
Lot Management	2	3QTR FY96	FY99	(5/12) 17	7.9	15.7
SUBTOTAL					48.6	97.1
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					48.6	97.1

NARRATIVE DESCRIPTION:
Joint STARs is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

Note:
FY95 Appropriations Bill increased JSTARS advance procurement by $99.9 million to buy out airframes.
These dollars are shown on the P-10 for FY95 under the Airframe line as credits to the FY96 through FY99 advance procurement line.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10)
(COMPARISON OF REQUEST TO EXECUTION)
(TOA, DOLLARS IN THOUSAND)

BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM: FY 1997 for FY 1998
Date 6 Feb 95

Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
Radar Subsystem	2	1QTR FY97	FY00	(5/12) 17	15.5	31.0
Airframe	0	1QTR FY97	FY00	(5/12) 17		
Refurb	2	1QTR FY97	FY00	(5/12) 17	15.5	31.0
Modification	2	1QTR FY97	FY00	(5/12) 17	15.2	30.3
Grp A	2	1QTR FY97	FY00	(5/12) 17	1.6	3.2
Lot Management	2	1QTR FY97	FY00	(5/12) 17	7.8	15.6
SUBTOTAL					55.6	111.1
EOQ (MYP)						
SUBTOTAL					0.0	0.0
TOTAL					55.6	111.1

NARRATIVE DESCRIPTION:
Joint STARs is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

Note:
FY95 Appropriations Bill increased JSTARS advance procurement by $99.9 million to buy out airframes.
These dollars are shown on the P-10 for FY95 under the Airframe line as credits to the FY96 through FY99 advance procurement line.

Exhibit P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION SHEET									DATE 9-Jan-95
APPROPRIATION/P-1 Line Item 3600/3010/3400			Weapon System (If Applicable) Joint STARS			Equipment Nomenclature			PE 27581F 64770F
Fin Plan	Prior Years	Current (FY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	Total
Quantity		1	1	1					3
Procurement	9.0	6.5	1.3	26.2	0.0	0.0	0.0	0.0	43.0
RDT&E	59.3	37.9	28.5	37.1	26.1	0.0	0.0	0.0	188.9
O&S	0.0	0.0	9.0	13.9	17.5	18.5	23.1	26.6	108.6

TRAINING SYSTEM DESCRIPTION:

Procurement includes the Maintenance Trainers, Interactive Video Diskettes (IVD), and Mission Crew Training Capability (MCTC). RDT&E includes MCT Maintenance Trainers, and MOT&E Training. O&S includes CLS for MCTC, Flight Crew Training, and Maintenance Trainers.

The Interactive Video Diskettes (IVD) is courseware primarily intended to be used on a self-initiated basis by workcenter technicians. The typical IVD a microcomputer, optical laserdisc, monitor, keyboard, light pen, printer, courseware, and modem.

The MCTC will furnish ACC with the training equipment and services required to effectively train the Joint STARS mission crews to perform their operati consists largely of Prime Mission Equipment and commercially available hardware with a software development effort.

The Flight Crew Training System (FCTS) is a KC-135 motion base with PAN-AM Flight Simulator which will be acquired and converted to a FAA Level C for safety of flight training. The Maintenance Trainer includes the Prime Mission Equipment Maintenance Training Sets (PME MTS) and Aircraft Mainten

The PME MTS is a low fidelity representation of the airborne system. The PME MTS provides initial skills training.

The AMT will provide familiarization training for former AWACS personnel.

	P-1 Shopping List Item No.	Page No.	Exhibit P-43, Page 1 of 1 Simulator & Trng Device Justification

Printed: 2/2/95 12:29 PM

JSTAR95.XLW/P-43 PG1

Prepared by:_____ Reviewed by:_____ Approved by:_____

Exhibit 43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION SHEET ($ IN MILLIONS) Date: 9-Jan-95

Training Device by Type: Maintenance Trainers/IVD

Weapon System (if Applicable) Joint STARS

Description/Justification

Financial Plan	FY 94 PRIOR YEAR		FY 95 CURRENT YEAR		FY 96 BUDGET YEAR		FY 97 BUDGET YEAR		TC		TOTAL	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS											0	0.0
Device (Hardware)			1	TRAINER 4.4	1	IVD 1.3					2	5.7
ECOs											0	0.0
Non-Recurring											0	0.0
GFE											0	0.0
Other (Specify)											0	0.0
TOTAL HARDWARE	0	0.0	1	4.4	1	1.3	0	0.0	0	0.0	2	5.7
SUPPORT COSTS											0	0.0
Special SE											0	0.0
Integrated Logistics Support				0.4							0	0.4
Other (STE, SE/PM, Data)				1.7							0	1.7
TOTAL SUPPORT COSTS	0	0.0	0	2.1	0	0.0	0	0.0	0	0.0	0	2.1
Software/Courseware											0	0.0
TOTAL COSTS	0	0.0	1	6.5	1	1.3	0	0.0	0	0.0	2	7.8

P-1 SHOPPING LIST ITEM NO. PAGE NO. EXHIBIT P-43, PAGE 1 OF 2

Prepared by: _____ Reviewed by: _____ Approved by: _____

Exhibit 43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION SHEET ($ IN MILLIONS) Date: 9-Jan-95

Training Device by Type: Mission Crew Training Capability | Weapon System (If Applicable) Joint STARS

Description/Justification

Financial Plan	FY 94 PRIOR YEAR		FY 95 CURRENT YEAR		FY 96 BUDGET YEAR		FY 97 BUDGET YEAR		TC		TOTAL	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS											0	0.0
Device (Hardware)							1	19.3			1	19.3
ECOs											0	0.0
Non-Recurring											0	0.0
GFE											0	0.0
Other (Specify)								6.9			0	6.9
TOTAL HARDWARE	0	0.0	0	0.0	0	0.0	1	26.2	0	0.0	1	26.2
SUPPORT COSTS											0	0.0
Special SE											0	0.0
Integrated Logistics Support											0	0.0
Other (SE/PM, Test, Data)											0	0.0
TOTAL SUPPORT COSTS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Software/Courseware											0	0.0
TOTAL COSTS	0	0.0	0	0.0	0	0.0	1	26.2	0	0.0	1	26.2

	P-1 SHOPPING LIST ITEM NO.	PAGE NO.	EXHIBIT P-43, PAGE 2 OF 2

BUDGET ITEM JUSTIFICATION SHEET

DATE:
6-Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA04

P-1 ITEM NOMENCLATURE

SOF A/C COMMON SUPPORT EQUIPMENT

	FY(PY)93	FY(PY)94	FY(CY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY											
COST (in Millions)		18.7									
Initial Spares (in M)											
Total (in Millions)		18.7									
Unit Cost (in M)*											

MISSION AND DESCRIPTION:

Funding supports acquisition of Common Support Equipment for USSOCOM.

P-1 Shopping List
Item No. 16

BUDGET ITEM JUSTIFICATION SHEET							DATE: JANUARY 1995	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT AF (3010)/BA06			P-1 ITEM NOMENCLATURE					
	1994	1995	1996	1997	1998	1999	2000	2001
QUANTITY								
COST (MILLION	$415.7	$485.5	$603.6	$748.6	$877.5	$745.4	$715.5	$733.3

MISSION AND DESCRIPTION

Program Definition: Aircraft Replenishment Spares (Budget Program 150000):

This program finances AFSF exempt investment spares and repair parts needed to provide spares support for all aircraft and support equipment. Investment items are distinguished from expendable items in that investment items are subject to depot repair (XD items) and are not discarded until depot repair is no longer economical. The requirement is based on an item specific failure/demand driven computation that supports the flying hour program leadtime away. The average leadtime is three years. Example items include landing gear struts, fire control computers, inertial navigation units, and engine turbine wheels.

The only replenishment spares funds remaining in this central procurement account are for spares items which cannot be managed by the Standard Base Supply System (SBSS) and thus are exempt from the stock fund concept. These exceptions fall into three categories. The first group is munitions code/managed items such as cartridge actuated or propellant actuated devices (CAD/PAD) items for aircraft ejection systems. The second and third categories are non-stocklisted items which support classified and contractor logistics support (CLS) systems.

Program Definition: Aircraft Initial Spares (Budget Program 160000):

This program finances whole spare engines and modules and reparable investment items including some items being newly introduced to the Air Force Inventory. Beginning in FY94, Most initial spares are procured through the AFSMBA (DBOF). As the funds are expended, the AFSMBA (DBOF) will be reimbursed by this central procurement account as the funds actually outlay. The effect of this change was a shift of funds to the right which may give the appearance of ramping requirements. However, it is important to note that this means that the funds budgeted in FY95 and FY96 for example largely represent the payments for obligations already incurred by the DBOF but is really a shift in financing strategy. Initial spares are funded in the four program segments described on the attached page.

AIRCRAFT PROCUREMENT, AF (3010)/BA06 (Continued)

Initial Weapon System Spares. (Budget Program 161000)

This program finances whole spare engines and engine modules, aircraft spares, and peculiar ground support equipment spares to support initial operations of new aircraft.

Common Ground Support Equipment (GSE) Spares. (163000)

This program finances spares required to support new or replacement aircraft common support equipment.

Aircraft Modification Spares. (Budget Program 164000)

This program finances new spare parts needed during the initial operation of modified airborne systems.

Other Production Spares. (Budget Program 169000)

This program finances spare parts introduced to the inventory for the first time in support of other production charges - BP1900 (e.g. spares for electronic countermeasure pods and special classified systems).

FY96 Program Justification:

The FY96 total aircraft spares request increased primarily due to the C-130, B-2, JSTARS, C-17 and modification of various weapon systems.

Funding Summary:

	1994	1995	1996	1997	1998	1999	2000	2001
REPLENISHMENT SPARES	147522	173487	137201	149944	161633	164005	168497	173895
INITIAL SPARES								
INITIAL WEAPON SYS SPARES	231364	193408	325100	368627	449285	336112	303035	320044
COMMON GSE SPARES	9044	6509	10128	11551	11615	12133	12411	12741
MODIFICATION SPARES	20548	98658	119926	190379	226563	205053	202557	196790
OTHER PRODUCTION SPARES	7213	13432	11264	28129	28395	28111	28957	29827
TOTAL INITIAL SPARES	268169	312007	466418	598686	715858	581409	546960	559402
TOTAL SPARES & REPAIR PARTS	415691	485494	603619	748630	877491	745414	715457	733297

INITIAL SPARES FUNDING APPROPRIATION, BUDGET ACTIVITY					DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997
	WEAPON SYSTEM SPARES	231364	193408	325100	368627
	SUPPORT EQUIPMENT SPARES	9044	6509	10128	11551
	MODIFICATION SPARES	20548	98658	119926	190379
	OTHER PRODUCTION SPARES	7213	13432	11264	28129
	TOTAL INITIAL SPARES	268169	312007	466418	598686

INITIAL SPARES FUNDING APPROPRIATION, BUDGET ACTIVITY					DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997
	F-16	1151	7796	6452	6895
	F-15E	4545			
	C-130	1114	15790	31241	34220
	E-8	3479	33023	64490	79602
	C-17	29569	102800	117500	83900
	B-2	177506	2237	59115	122188
	H-60	523	619	3890	2987
	NEW ATC AIRCRAFT	13477	31143	42412	385
	F-22				38450
	SUPPORT EQUIPMENT SPARES	9044	6509	10128	11551
	MODIFICATION SPARES	20548	98658	119926	190379
	OTHER PRODUCTION SPARES	7213	13432	11264	28129
	TOTAL INITIAL SPARES	268169	312007	466418	598686

REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY					DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997
	CLS SYSTEMS/TRAINERS	39515	53500	47745	55593
	CLASSIFIED PROGRAMS	98228	98926	73820	77117
	MUNITIONS CODED/MANAGED ITEMS	9779	21061	15636	17234
	TOTAL REPLENISHMENT SPARES	147522	173487	137201	149944

REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY					DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997
	CLS SYSTEMS/TRAINERS SPARES:				
	KC-10A	13101	13629	14084	14390
	TAC SYSTEMS/SIMULATORS	693	650	612	604
	SPECIAL MISSION AIRCRAFT	15203	15449	7783	7796
	OPS SUPPORT AIRCRAFT	2241	2331	2404	2455
	NAVIGATION TRAINERS	809	791	817	832
	NEACP OPERATIONS		8701	4380	4475
	F-117	6436	10876	16556	23909
	CSTOL	1032	1073	1109	1132
	TOTAL CLS REPLEN SPARES	39515	53500	47745	55593

REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY					DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997
	CLASSIFIED SYSTEM SPARES:				
	COMPASS CALL (RIVET FIRE)	14093	8469	8158	5626
	TACCS (RIVET RIDER)				
	SPECIAL RECON (PACER COIN)				
	TACCRYPTO (RIVET JOINT/CENTCOM)	82062			
	TECH COLLECTION (COBRA BALL)				
	CENTCOM	1497	1551	1598	1626
	B-2 SQUADRONS	576	1833	5792	7722
	DARO		87073	55136	58654
	OTHER CLASSIFIED PROGRAMS			3136	3489
	TOTAL CLASS REPLEN SPARES	98228	98926	73820	77117

REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY					DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997
	MUNITIONS CODE ITEMS SPARES:				
	B-1B				
	B-52				
	F-15				
	F-16				
	MH-60			1100	1100
	KC-135			1000	1100
	C-130		2554		
	OTHER ACFT/COMMON	9779	18507	13536	15034
	TOTAL MUNITIONS REPLEN SPARES	9779	21061	15636	17234

PROGRAM COST BREAKDOWN								DATE JANUARY 1995	
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, AF (3010)/BA06		Aircraft Spares and Repair Parts							
ELEMENT OF COST	IDENT CODE	FY94		FY95		FY96		FY97	
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
REPLENISHMENT SPARES Budget Program 15			147522		173487		137201		149944
INITIAL SPARES Budget Program 16			268169		312007		466418		598686
TOTAL			415691		485494		603619		748630

DD FORM 2446

EXHIBIT P-5

FY 96/97 PRESIDENT'S BUDGET (PB)
BP12 COMMON SUPPORT EQUIPMENT
FEBRUARY 1995

FEBRUARY 1995

FY 96/97 PRESIDENT'S BUDGET
BUDGET ACTIVITY 07
(BP 12) COMMON SUPPORT EQUIPMENT (CSE) (DOLLARS IN MILLIONS)

	NOUN	NSN	FY96 QTY	FY96 AMOUNT	FY97 QTY	FY97 AMOUNT
1	Self Generating Nitrogen System	3655-01-347-9055	95	5.040	310	16.942
2	Air Conditioner, MA-3D	4120-00-998-6673	287	13.870		
3	Air Conditioner, PD501 Diesel	4120-01-167-5470	40	8.508		
4	Compressor, Gas Turbine A/M32A-95	2835-01-390-1807YZ	132	17.914	240	30.647
5	F-15 Downsized Tester	4920-01-355-4478DQ	5	9.076	12	18.311
6	F-16 Improved Avionics Intermediate Shop	4920-01-339-9212WF	8	48.000	8	48.000
7	Avionics Integrated Support Facilities (AISF)		N/A	7.860	N/A	11.000
8	Maintenance Platform, High Reach	1730-01-249-0097	9	4.345		
9	C-5 Empennage Stand	1730-00-158-3039	3	2.471		
10	Pacer Comet III	4920-01-179-5108DQ	2	2.206	2	2.206
11	Compass Calibrator	4920-01-328-3419NT	72	6.049	64	5.539
12	Oxygen Regulator Tester	4920-01-321-1839	269	5.113		
13	Purge Unit	3655-00-429-2896	296	3.425		
14	Hydraulic Pumping Unit, AF/M27M-1	4320-00-914-1120YZ	186	4.580		
15	Hydraulic Test Stand, Electric	4920-01-380-4744	2	0.441	37	1.813
16	Hydraulic Test Stand, Diesel	4920-01-380-7460	2	0.639	20	0.980
17	Test Stand, Hydaulic Component	4920-00-450-0553	2	0.720		
18	Ultrasonic Flaw Detector	6635-01-363-6674	144	2.435	134	2.337
19	Interim Contractor Support (ICS)			2.280		1.782
	Subtotal			144.972		139.557
20	Items Less Than $2M			35.357		38.310
	Subtotal			180.329		177.867
	Simulators			35.719		14.003
	BP 12 Common Support Equipment Total			**216.048**		**191.870**

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				BUDGET PROGRAM 1200 OVERVIEW				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (In Mil)	$190.496	$226.259	$216.048	$191.870	$227.996	$216.467	$243.400	$255.563

A. DESCRIPTION/FUNCTION: This program procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. This program also funds simulators for out-of-production aircraft.

B. PURPOSE OF PROCUREMENT: Items being replaced range in age from 10 to 30 years old, have frequent failures, spare parts which are no longer available or not economical to repair. Many items are technologically obsolete or are being replaced due to environmental operating constraints.

C. APPLICATION: All Air Force maintained aircraft weapons systems requiring replacement equipment.

D. REQUIREMENTS: Justifications are for fiscal years 1996 and 1997. Items of equipment budgeted include: avionics test stations, air conditioners, munitions handling equipment, jet engine test stands, electronic test sets, noise suppressors, fuel servicing carts, generators, maintenance platforms and automatic test equipment.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	115

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Self-Generating Nitrogen System (SGNS)
NSN: 3655-01-347-9055

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	315	95	310	300	360	204	0
COST (In Mil)	$0.000	$16.288	$5.040	$16.942	$16.875	20.862	$12.178	$0.000

A. DESCRIPTION/FUNCTION: The SGNS is a small, lightweight, portable, self-generating cart capable of producing self-generated oil-tolerant, 99.5 percent pure, 96 percent moisture free, gaseous nitrogen at 4000 pounds per square inch (PSI) at a rate of not less than 9 standard cubic feet per minute. The SGNS incorporates the hollow fiber membrane or air separator technology. The membrane or air separator produces gaseous nitrogen from compressed ambient air by permeating the fast gases (water vapor, oxygen, carbon dioxide, etc.) back to the atmosphere and allowing the inert gases (primarily nitrogen with small traces of argon, neon and helium) to pass through the hollow fibers for collection and use. The SGNS's engine is capable of operating on multiple fuels, with JP-8 as primary fuel and can operate continuously for five hours. This system is mounted on a four wheeled trailer for easy positioning by maintenance personnel and designed for efficient roll on/roll off loading and is transportable on military transport aircraft.

B. PURPOSE OF PROCUREMENT: FY95 funding begins a procurement program that will replace three unreliable and outdated systems: the liquid nitrogen servicing unit (LN-2), the six and eight bottle nitrogen servicing carts and an air compressor. This system is reliable, easily maintainable, rapidly deployable and capable of supporting aircraft at forward operating locations under bare base conditions. The SGNS eliminates the necessity to procure, ship and store liquid nitrogen or nitrogen gas filled bottles to service aircraft tires, struts and accumulators thereby enhancing the Air Force's rapid deployment, warfighting capability, equipment survivability and daily maintenance operations.

C. APPLICATION: SGNS will be used to service tires, struts and accumulators and to purge oxygen systems on all Air Force aircraft.

D. REQUIREMENTS: FY96 - 95 shortages
FY97 - 310 shortages

E. IMPACT: The current Air Force systems are inefficient, costly to maintain and unreliable. Bare base operations will continue to be difficult and costly without SGNS. If not procured, the Air Force will continue to preposition empty equipment (storage tanks & LN-2 carts) that still require the shipment of liquid nitrogen to the deployed areas of operation.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	
			116

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

SELF-GENERATING NITROGEN SERVICING CART
NSN: 3655-01-347-9055

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

UNKNOWN

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SGNS	A				315	52	16,223	95	53	5,040	310	55	16,942
TECHNICAL DATA							50						
BID SAMPLE TEST							15						
TOTAL							16,288			5,040			16,942

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
			117

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE SELF-GENERATING NITROGEN SERVICING CART NSN: 3655-01-347-9055

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
[illegible]	UNKNOWN	C/FP	AFMC/SA-ALC	JUL 95	DEC 95	315	52	YES	NO	
FY96	UNKNOWN	OPTION	AFMC/SA-ALC	JUN 96	OCT 96	95	53	YES	NO	
FY97	UNKNOWN	OPTION	AFMC/SA-ALC	OCT 96	FEB 97	310	55	YES	NO	

D. REMARKS
* UNIT COSTS FOR FY95, 96 AND 97 BASED ON UNIT COST OF SIMILAR ITEM IN COMMERCIAL MARKET ESCALATED BY RESPECTIVE INFLATION INDICES.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95																		FISCAL YEAR 96												FISCAL YEAR 97												LATER
					CALENDAR YEAR 95																		CALENDAR YEAR 96												CALENDAR YEAR 97												
					94	94	94																																								
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY95	AF	315	0	315										C					30	30	30	30	30	30	30	30	30	30	15																							
FY96	AF	95	0	95																						C			5	30	30	30																				
FY97	AF	310	0	310																									C				30	15	15	15	25	30	30	30	120											
FY95	FMS	10	0	10																									10																							
FY97	ARMY	50	0	50																														15	15	15	5														
TOTAL		780	0	780	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	120

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		30	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		9	5	14
REORDER			4	4

REMARKS:

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART																																					DATE: FEBRUARY 1995
	FISCAL YEAR 98															FISCAL YEAR 99																					FISCAL YEAR 00	LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
FY97	30	30	30	30																																		
TOTAL	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

REMARKS

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART
NSN: 3655-01-347-9055

ASSETS	
On Hand as of 31 Mar 94	0
Due-in w/all Prior Years' Funds	0
Due-in w/FY95 Funds	315
TOTAL ASSETS:	315

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (34 MONTHS)	0
PROCUREMENT LEADTIME: 4 months	
NET ASSETS:	315

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	35
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	1178
Air National Guard Requirement	235
Air Force Reserve Requirement	136
TOTAL REQUIREMENT	1584
APPROVED ACQUISITION OBJECTIVE	1584

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	1584
Less Net Assets	315
Required FY96 Procurement	1269
Planned FY96 Procurement	95
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART
NSN: 3655-01-347-9055

ASSETS

On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	315
Due-In w/FY96 Funds	95
TOTAL ASSETS:	410

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	0
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (46 MONTHS)	0
PROCUREMENT LEADTIME: 4 months	
NET ASSETS:	410

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	35
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	1,178
Air National Guard Requirement	235
Air Force Reserve Requirement	136
TOTAL REQUIREMENT	1584
APPROVED ACQUISITION OBJECTIVE	1584

PROCUREMENT REQUIREMENT

Total FY97 Requirement	1584
Less Net Assets	410
Required FY97 Procurement	1174
Planned FY97 Procurement	310
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

REMARKS: VARIANCE BETWEEN FY97 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Air Conditioner MA-3D
NSN: 4120-00-998-6673

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	60	307	287	0	41	0	0	0
COST (In Mil)	$3.001	$14.837	$13.870	$0.000	$2.118	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The MA-3D is a diesel engine driven, all weather, vapor cycle, trailer mounted, self-contained air conditioner with a nominal cooling capacity of 138,000 BTU/HR (20 tons). It is designed to provide cooling for aircraft electronic equipment during ground check-out and maintenance.

B. PURPOSE OF PROCUREMENT: Item is required to replace air conditioners with critical support problems. The average service life of this item is ten years; assets being replaced have long exceeded replacement cost criteria. The average age of the inventory is 21 years. Support problems include non-availability of spare parts and use of leaded fuel. Procurement of this item is also required for the Government to be in compliance with the Montreal Protocol Treaty on substances that deplete the ozone layer and the Clean Air Act requiring the elimination of R-12 refrigerant.

C. APPLICATION: This item supports multiple large aircraft: B-52, C-5, C-130, C-135, C-141, C-17, KC-135, and EC-130.

D. REQUIREMENT: FY96 - 287 replacements

E. IMPACT: Without this type air conditioner for flight line use, there is high risk of damaging expensive electronic systems due to overheating and creating a health hazard for personnel performing required maintenance functions.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	
			123

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE AIR CONDITIONER MA-3D
NSN: 4120-00-998-6673

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY95	EAS	OPTION*	AFMC/SA-ALC	NOV 94	NOV 95	307	48	YES	NO	
FY96	EAS	OPTION*	AFMC/SA-ALC	NOV 95	JUN 96	287	48			
	ENGINEERED AIR SYSTEMS, ST LOUIS, MO									

D. REMARKS
* OPTION QUANTITIES/PRICES IN ACCORDANCE WITH FY93 COMPETITIVE/FIRM FIXED PRICE CONTRACT.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY94/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, MA-3D

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	94 OCT	94 NOV	94 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
					FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97											
					CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97											
FY93	AF	246	0	246		30	30	30	30	30	30	30	30	3																										
FY94	AF	60	0	60										27	30	3																								
FY95	AF	307	0	307		C												7	30	30	45	60*	60	60	15															
FY96	AF	287	0	287														C							45	60	60	60	60	2										
FY94	DMIF	45	0	45												20	25																							
FY94 (BP 10 Initial)	AF	28	0	28													5	23																						
FY94	FMS	7	0	7												7																								
TOTAL			980	0	980	0	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	45	60	60	60	60	60	60	60	60	2	0	0	0	0	0	0	0	0	0	0

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
ENGINEERED AIR SYSTEM ST LOUIS, MO	1		30*	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		1	7	8

REMARKS: * EAS has the capability to build 60 units a month in either the electric (A/M32C-5) and/or diesel (MA-3) version. The increases shown in MAR 96 are due to completion of the electric version contract running concurrently with the diesel version .

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: AIR CONDITIONER MA-3D
NSN: 4120-00-998-6673

ASSETS	
On Hand as of 31 Mar 94	849
Due-in w/all Prior Years' Funds	306
Due-in w/FY95 Funds	307
TOTAL ASSETS:	1462

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	306
FY96:	543
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (32 MONTHS)	849
PROCUREMENT LEADTIME: 8 months	
NET ASSETS:	613

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	37
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	761
Air National Guard Requirement	147
Air Force Reserve Requirement	88
TOTAL REQUIREMENT	1033
APPROVED ACQUISITION OBJECTIVE	1033

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	1033
Less Net Assets	613
Required FY96 Procurement	420
Planned FY96 Procurement	287
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: THIS IS A COMPLETE REPLACEMENT PROGRAM. OLD ASSETS ARE BEING SENT TO DISPOSAL AS R-12 REFRIGERANT IS REMOVED.

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Air Conditioner, PD501, Diesel
NSN: 4120-01-167-5470

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	40	0	8	0	0	0
COST (In Mil)	$0.000	$0.000	$8.508	$0.000	$2.113	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The PD501 air conditioner is a diesel engine driven, vapor cycle, trailer mounted unit with a normal cooling capacity of 1,200,000 BTU/HRS. It provides air via 5 individually controllable outlets at temperatures ranging from 45 to 100 plus degrees Fahrenheit. Flow rates and maximum outlet pressures of 390 pounds per minute (PPM) at 2.0 pounds per square inch gauged (PSIG), 300 PPM/1.5 PSIG, or 220 PPM/3.0 PSIG can be selected. It is designed to operate in temperatures from -40 to +115 degrees (F) and provide cooling/heating for electronic equipment during ground check-out and maintenance checks of avionics systems on the B-1B, AC-130U and MC-130H aircraft.

B. PURPOSE OF PROCUREMENT: This item is needed to ensure failure of vital electronic components does not occur due to overheating during ground checkout and maintenance. Procurement will greatly reduce the Air Force and Special Operations Force's mobility footprint. The B-1B aircraft is currently supported by up to five MA-3D air conditioners, or one ACE* air conditioner and one MA-3D. The AC-130U and MC-130H are being supported by up to four MA-3Ds.

C. APPLICATION: This air conditioner supports the B-1B, AC-130U and MC-130H aircraft.

D. REQUIREMENTS: FY96 - 40 Shortages

E. IMPACT: Not procuring this item will result in inadequate cooling/heating support for vital electronic components of the B-1B, AC-130U and MC-130H aircraft. Failure of these components will seriously impair the mission capability of these aircraft.

F. TYPE ITEM: A

*Accessories Control and Equipment (ACE) Company

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	
			127

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A) EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE
FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501, DIESEL NSN: 4120-01-167-5470

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY93	EAS	OPTION*	AFMC/SA-ALC	SEP 93	JUL 95	36	202	YES	NO	
FY96	EAS	OPTION*	AFMC/SA-ALC	APR 96	OCT 96	40	213			
	ENGINEERED AIR SYSTEMS, ST LOUIS, MO									

D. REMARKS
* OPTION TO A FY90 C/FFP CONTRACT.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501, DIESEL

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY93	AF	36	0	36										1	2	3	3	3	3	3	3	3	3	3	3	3						3	3	3	3	3	3	3	3	3	4
FY96	AF	40	0	40																			C																		
FY94	DMIF	6	0	6																							3	3													
TOTAL			82	0	82	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
ENGINEERED AIR SYSTEM, ST LOUIS, MO.	1		3	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		6	6	12

REMARKS:

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501, DIESEL																																									DATE: FEBRUARY 1995
	FISCAL YEAR 98															FISCAL YEAR 99												FISCAL YEAR 00												LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
FY96	3	1																																								
TOTAL	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

REMARKS

130

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501, DIESEL
NSN: 4120-01-167-5470

ASSETS

On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	38
Due-In w/FY95 Funds	0
TOTAL ASSETS:	38

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (43 MONTHS)	0
PROCUREMENT LEADTIME: 12 months	
NET ASSETS:	38

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	61
Air National Guard Requirement	17
Air Force Reserve Requirement	
TOTAL REQUIREMENT	78
APPROVED ACQUISITION OBJECTIVE	78

PROCUREMENT REQUIREMENT

Total FY96 Requirement	78
Less Net Assets	38
Required FY96 Procurement	40
Planned FY96 Procurement	40
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

P-1 SHOPPING LIST
ITEM NO.

PAGE NO.

Exhibit P-20 Requirements Study

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Compressor, Gas Turbine A/M32A-95
NSN: 2835-01-390-1807YZ

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	2	0	132	240	240	233	0	0
COST (In Mil)	$1.118	$0.000	$17.914	$30.647	$30.773	$32.154	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The A/M32A-95 Gas Turbine Compressor, also known as the Large Aircraft Start System (LASS), is a towable, four-wheeled chassis mounted trailer. It consists of an enclosure assembly which houses a turbine engine, fuel, electrical, and lubrication system, and an air delivery system. The LASS is used to furnish pneumatic pressure/power for ground support of aircraft systems. Its primary mission is to start engines for a variety of aircraft. This is accomplished via a delivery hose which connects to the aircraft's engine(s) and provides compressed air for starting and performing other functions that require large volumes of compressed air. The LASS is 116"X 62"X 68" and weighs 3000 pounds.

B. PURPOSE OF PROCUREMENT:. The MA-1A Air Start Carts currently in use in the inventory were designed in the 1955-1957 time frame and provided adequate output to support engines in use at that time. During the intervening years, the size and air requirements of aircraft engines and accessories have increased without a corresponding growth in starting unit capacity/capability. The MA-1A only provides 90 pounds of air at 45 pounds per square inch actual (PSIA) as compared to the LASS's 150 pounds at 48 PSIA. The LASS will use a GTC85-180 series 6 Garrett engine versus the MA-1A's GTC85-70A engine. New technology via control of fuel flow on demand will provide a cost savings in terms of fuel use efficiency. Unlike the MA-1A, which ran at 100 percent from start, the LASS will start and run at 40 percent and respond/operate at 100 percent when the bleed air valve is opened.

C. APPLICATION: This unit supports all aircraft having air start capability, including the B-52, C-5, C-17, C-130, C-135, C-141, E-3, E-4 and T-38.

D. REQUIREMENTS: FY96 - 132 shortages
FY97 - 240 shortages

E. IMPACT: The MA-1A currently in use does not provide an adequate output of air which is required for the start of the newer generation of aircraft engines. In addition, the increasing age and shortage of parts to repair the MA-1A further necessitates the procurement of the LASS as a replacement. Failure to fund the LASS would result in the loss of large aircraft engine start capability.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	132

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

COMPRESSOR, GAS TURBINE A/M32A-95
NSN: 2835-01-390-1807YZ

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

LIBBY CORPORATION
KANSAS CITY, MO

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
LASS	A	2	347	694				132	136	17,914	240	128	30,647
TECHNICAL DATA				424									
TOTAL				1,118						17,914			30,647

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE COMPRESSOR, GAS TURBINE
A/M32A-95 NSN: 2835-01-390-1807YZ

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	LIBBY	C/FFP	AFMC/SA-ALC	JUN 94	FEB 96	2	347			
FY96	LIBBY	OPTION	AFMC/SA-ALC	MAR 96	SEP 97	132	136*	YES	NO	
FY97	LIBBY	OPTION	AFMC/SA-ALC	OCT 96	APR 98	240	128*	YES	NO	
	LIBBY CORPORATION KANSAS CITY, MO									

D. REMARKS
* UNIT COSTS FOR FY96 AND 97 BASED ON FY94 CONTRACT QUANTITY/PRICE BREAK: FY96 - 71 TO 139 / $135,713; FY97 - 201 TO 240 / $127,697.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE, A/M32A-95

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
					CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
					94	94	94																																		
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY94	AF	2	0	2													FA			FAA	2																			20	112
FY96	AF	132	0	132																		C																			240
FY97	AF	240	0	240																									C												5
FY96	FMS	5	0	5																		C																			3
FY96	DMIF	3	0	3																																					
TOTAL			382	0	382	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	360
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
LIBBY CORPORATION KANSAS CITY, MO	1		20	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		5	18	23

REMARKS:

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE A/M32A-95																																					DATE: FEBRUARY 1995
	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY96	20	20	20	20	20	12																															
FY97							20	20	20	20	20	20	20	20	20	20	20	20																			
FY96 (FMS)						5																															
FY96 (DMIF)						3																															
TOTAL	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

136

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE, A/M32A-95
NSN: 2835-01-390-1807YZ

ASSETS

On Hand as of 31 Mar 94	1347
Due-In w/all Prior Years' Funds	2
Due-In w/FY95 Funds	0
TOTAL ASSETS:	1349

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (48 MONTHS)	0

PROCUREMENT LEADTIME: 18 months

NET ASSETS: 1349

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	117
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	1035
Air National Guard Requirement	398
Air Force Reserve Requirement	114
TOTAL REQUIREMENT	1664

APPROVED ACQUISITION OBJECTIVE 1664

PROCUREMENT REQUIREMENT

Total FY96 Requirement	1664
Less Net Assets	1349
Required FY96 Procurement	315
Planned FY96 Procurement	132
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE, A/M32A-95
NSN: 2835-01-390-1807YZ

ASSETS

On Hand as of 31 Mar 94	1347
Due-in w/all Prior Years' Funds	2
Due-in w/FY96 Funds	132
TOTAL ASSETS:	1481

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	230
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (60 MONTHS)	230
PROCUREMENT LEADTIME: 18 months	
NET ASSETS:	1251

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	117
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	1043
Air National Guard Requirement	398
Air Force Reserve Requirement	114
TOTAL REQUIREMENT	1672
APPROVED ACQUISITION OBJECTIVE	1672

PROCUREMENT REQUIREMENT

Total FY97 Requirement	1672
Less Net Assets	1251
Required FY97 Procurement	421
Planned FY97 Procurement	240
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

REMARKS: VARIANCE BETWEEN FY97 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE F-15 Downsized Tester
NSN: 4920-01-355-4478DQ

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	29	5	12	0	0	0	0
COST (In Mil)	$3.482	$41.270	$9.076	$18.311	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The F-15 Downsized Tester will be highly mobile and will be comprised mainly of electronic components such as a computer controlled memory unit, a signal generator converter, converter interface, air supply cooler, printer, pneumatic generator and controlled assembly, television monitor, rate turn table, cables, air cylinder and nitrogen. This tester will perform parametric testing for troubleshooting and repair of F-15 line replaceable units (LRU). It will also provide ambient air cooling to the unit under test and will examine and provide discrete evaluation of the overall performance of the systems and subsystems for the antenna, fire control, flight control and telemetering systems. Test program sets (TPS) which consist of software, interface test adapters, documentation and cables are required as an interface between the tester and the aircraft's LRUs. The downsized tester will have increased reliability and maintainability and will reduce test times.

B. PURPOSE OF PROCUREMENT: The existing F-15 Avionics Intermediate Shop (AIS) developed in the early 1970s contains many electronic components which are no longer available. Procurement of the downsized tester will eliminate a major cause of downtime thereby increasing aircraft readiness. Also, the F-15 operational capability will be enhanced because of the tester's ease in deployment. This tester is a stand-alone system requiring one pallet to deploy in lieu of 22 pallets required by the current AIS. It also only takes 90 minutes to depalletize, set-up and begin testing of the line replaceable units (LRUs) versus 30 hours for the current AIS. No forklift or special equipment is required to set up the downsized tester. The average age of the existing testers is 20 years. Airlift dollars and overall logistics costs will be reduced after the Downsized Tester fielding.

C. APPLICATION: F-15 Aircraft

D. REQUIREMENTS: FY96 - 5 shortages
FY97 - 12 shortages

E. IMPACT: The cost of maintaining the aging AIS test stations is approximately $26 million annually. The most critical aspect of attempting to maintain the AIS is the impact on the maintainability of the aircraft. The F-15 would eventually be unable to sustain sortie operations due to the backlog of aircraft system malfunctions requiring testing and repair. The older test stations are becoming unable to accommodate the workload and are subject to malfunctioning which, in turn, increases the number of grounded aircraft. Also, ACC's requirement for a truly mobile tester cannot be met by modifying the AIS which is now technologically outdated. This downsized tester will significantly reduce supportability requirements.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

F-15 DOWNSIZED TESTER
NSN: 4920-01-355-4478DQ

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

GRUMMAN AEROSPACE CORPORATION
BETHPAGE, NY

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
F-15 DOWNSIZED TESTER	A	7	467	3,272	29	732	21,214	5	761	3,803	12	835	10,003
TEST PROGRAM SETS (TPS)					49	351	17,194	44	112	4,929	32	139	4,447
TECHNICAL DATA				210						344			738
SYSTEMS ENG (PHASE 4)							2,862				38	82	3,123
TPS (PHASE 4)										9,076			18,311
TOTAL				3,482			41,270						

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE
FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE F-15 Downsized Tester
NSN: 4920-01-355-4478DQ

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY93	GRUMMAN	OPTION	AFMC/SA-ALC	FEB 94	JUL 95	7	828			
FY94 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	FEB 95	JAN 96	7	467	YES	NO	
FY95	GRUMMAN	OPTION	AFMC/ASC	FEB 95	JUN 96	29	732	YES	NO	
FY95 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	FEB 95	JUN 96	49	374	YES	NO	
FY96	GRUMMAN	OPTION	AFMC/ASC	NOV 95	MAR 97	5	761	YES	NO	
FY96 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	NOV 95	MAR 97	44	112	YES	NO	
FY97	GRUMMAN	OPTION	AFMC/ASC	NOV 96	MAY 97	12	835	YES	NO	
FY97 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	NOV 96	MAY 97	32	139	YES	NO	
FY97 (PHASE 4 TPS ONLY)	GRUMMAN	OPTION	AFMC/ASC	NOV 96	JUN 97	38	82	YES	NO	
	GRUMMAN AEROSPACE CORP BETHPAGE, NY									

D. REMARKS
UNIT COSTS ARE BASED ON FY 92 CPIF/FPI NEGOTIATED CONTRACT VALUE.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: F-15 DOWNSIZED TESTER

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR	BAL DUE	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97									LATER
					CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97									
			1-Oct	1-Oct	94 OCT	94 NOV	94 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
FY93	AF	7	0	7										7											3	3	3	3	3	3	3	3	3	2							
FY95	AF	29	0	29					C																									1	3	1					
FY96	AF	5	0	5														C																		2	3	3	3	1		
FY97	AF	12	0	12																																						
TOTAL			53	0	53	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	0

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROCUREMENT LEAD TIME																																				

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
GRUMMAN AEROSPACE CORPORATION BETHPAGE, NY	1		3*	

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		1	16	17

REMARKS: *DELIVERY VARIANCE OF 7 IN JUL 95 BASED ON CONTRACT AGREEMENT.

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P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: F-15 DOWNSIZED TESTER
NSN: 4920-01-355-4478DQ

ASSETS

On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	12
Due-In w/FY95 Funds	29
TOTAL ASSETS:	41

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (37 MONTHS)	0
PROCUREMENT LEADTIME: 17 months	
NET ASSETS:	41

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	50
Air National Guard Requirement	8
Air Force Reserve Requirement	
TOTAL REQUIREMENT	58
APPROVED ACQUISITION OBJECTIVE	58

PROCUREMENT REQUIREMENT

Total FY96 Requirement	58
Less Net Assets	41
Required FY96 Procurement	17
Planned FY96 Procurement	5
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: F-15 DOWNSIZED TESTER
NSN: 4920-01-355-4478DQ

ASSETS

On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	41
Due-In w/FY96 Funds	5
TOTAL ASSETS:	46

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	0
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (41 MONTHS)	0
PROCUREMENT LEADTIME: 7 months	
NET ASSETS:	46

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	50
Air National Guard Requirement	8
Air Force Reserve Requirement	
TOTAL REQUIREMENT	58
APPROVED ACQUISITION OBJECTIVE	58

PROCUREMENT REQUIREMENT

Total FY97 Requirement	58
Less Net Assets	46
Required FY97 Procurement	12
Planned FY97 Procurement	12
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE F-16 Improved Avionics Intermediate Shop (IAIS) NSN: 4920-01-339-9212WF				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	2	2	8	8	0	0	0	0
COST (In Mil)	$12.000	$12.000	$48.000	$48.000	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The Improved Avionics Intermediate Shop (IAIS) is a controlled test station that provides performance and diagnostic testing of F-16 avionics line replaceable units (LRUs). The IAIS is mobile (fits on one pallet and is two man portable), does not require controlled environment (hangar/tent) and operates on four different power sources. It consists of an interface unit, control and display unit, instrument units, microwave stimulus unit, microwave measurement unit, power control unit, power supply unit, storage units, blower unit, refrigeration unit, frequency changer unit and optical test bench.

B. PURPOSE OF PROCUREMENT: The IAIS will replace the F-16 full size avionics intermediate shop (AIS) test stations which are 16 years old and are becoming obsolete and unsupportable due to outdated technology and disappearing vendors.

C. APPLICATION: F-16 aircraft

D. REQUIREMENTS: FY96 - 8 replacements
FY97 - 8 replacements

E. IMPACT: The cost of maintaining the aging AIS test stations has become uneconomical. Maintainability of the F-16 aircraft is becoming increasingly difficult using obsolete and outdated support equipment . These aircraft will eventually be unable to participate fully in sorties on a sustainable basis due to the backlog of aircraft system malfunctions requiring testing and repair. The older test stations are becoming unable to accommodate the required testing and are subject to malfunctioning which in turn increases the number of grounded aircraft. This mobile tester will significantly reduce supportability requirements.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE
FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE F-16 IMPROVED AVIONICS INTERMEDIATE SHOP NSN: 4920-01-339-9212WF

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	GENERAL DYNAMICS	SS/FP	AFMC/ASC	FEB 95	AUG 96	2	6,000*	YES	NO	
FY95	GENERAL DYNAMICS	OPTION	AFMC/ASC	FEB 95	DEC 96	2	6,000*	YES	NO	
FY96	GENERAL DYNAMICS	SS/FP	AFMC/ASC	MAY 96	AUG 97	8	6,000*	YES	NO	
FY97	GENERAL DYNAMICS	OPTION	AFMC/ASC	JAN 97	APR 98	8	6,000*	YES	NO	
	GENERAL DYNAMICS SAN DIEGO, CA									

D. REMARKS
* UNIT COSTS BASED ON ENGINEERING ESTIMATE.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: F-16 IMPROVED AVIONICS INTERMEDIATE SHOP

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY94	AF	2	0	2					C																		1		1				1		1						
FY95	AF	2	0	2					C															C															1	1	6
FY96	AF	8	0	8																											C										8
FY97	AF	8	0	8																																					
TOTAL			20	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	1	1	14

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
GENERAL DYNAMICS SAN DIEGO, CA	1		1	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		7	15	22

REMARKS:

147

P-1 SHOPPING LIST
ITEM NO.

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: F-16 IMPROVED AVIONICS INTERMEDIATE SHOP																							DATE: FEBRUARY 1995													
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												LATER
	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY96	1	1	1	1	1	1																															
FY97							1	1	1	1	1	1	1	1																							
TOTAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: F-16 IMPROVED AVIONICS INTERMEDIATE SHOP
NSN: 4920-01-339-9212WF

ASSETS	
On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	2
Due-In w/FY95 Funds	2
TOTAL ASSETS:	4

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (37 MONTHS)	0
PROCUREMENT LEADTIME: 18 months	
NET ASSETS:	4

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	17
Air National Guard Requirement	3
Air Force Reserve Requirement	
TOTAL REQUIREMENT	20
APPROVED ACQUISITION OBJECTIVE	20

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	20
Less Net Assets	4
Required FY96 Procurement	16
Planned FY96 Procurement	8
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: F-16 IMPROVED AVIONICS INTERMEDIATE SHOP
NSN: 4920-01-339-9212WF

ASSETS

On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	4
Due-In w/FY96 Funds	8
TOTAL ASSETS:	12

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	0
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (49 MONTHS)	0
PROCUREMENT LEADTIME: 18 months	
NET ASSETS:	12

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	17
Air National Guard Requirement	3
Air Force Reserve Requirement	
TOTAL REQUIREMENT	20
APPROVED ACQUISITION OBJECTIVE	20

PROCUREMENT REQUIREMENT

Total FY97 Requirement	20
Less Net Assets	12
Required FY97 Procurement	8
Planned FY97 Procurement	8
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Avionics Integrated Support Facilities (AISF)				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (In Mil)	$14.510	$4.750	$7.860	$11.000	$	$	$	$

A. DESCRIPTION/FUNCTION: The Avionics Integrated Support Facilities (AISFs), located at each Air Logistics Center, provide a laboratory environment to simulate flight conditions for mission essential changes to software for weapon system on-board computers/subsystems. This capability enables the weapon system's System Support Manager (SSM) to support operational flight programs (OFP) organically. The facilities provide all the necessary instrumentation to collect and record engineering data during test flights and all the ground equipment necessary to perform data analysis of the collected data. Funding requirements for these facilities are continuous in order to modernize and technologically update the equipment as changes to aircraft weapon systems occur.

B. PURPOSE OF PROCUREMENT: The purpose of these procurements is to replace facility equipment which is no longer maintainable.

C. APPLICATION: These AISFs support multiple weapon systems.

D. REQUIREMENTS: Requirements at the Air Logistic Centers consist of multiple items, none of which the procurement value exceeds $2 million.

E. IMPACT: Since the AISFs provide vital resources needed to develop and test weapon system software modifications, these resources are mission essential. The Mission Critical Computer Resource (MCCR) software programs that control navigation and weapons delivery systems are designated as operational flight programs. Changes to these OFPs are developed and tested in these facilities. The AISFs provide OFP engineers with software development tools and test stands that simulate inflight environment for extensive testing of OFPs. Mission effectiveness of weapon systems depends on the accuracy and quality of its OFPs. If AISF equipment is not available to support OFP development and to test the OFPs, the aircraft weapon systems navigation and weapons delivery capabilities will be degraded thus adversely impacting the weapon system's mission effectiveness and flight safety.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	151

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Maintenance Platform, High Reach NSN: 1730-01-249-0097				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	14	0	9	0	2	0	0	0
ST (In Mil)	$6.539	$0.000	$4.345	$0.000	$1.055	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The High Reach Maintenance Platform is a complete self-contained, hydraulically operated unit mounted on a truck type carrier. This item is equipped with a diesel engine which provides both vehicle drive power and hydraulic system power take-off from the vehicle drive automatic transmission. The aerial lift consists of main components such as a turret, inner and outer columns, inner and outer boom and a platform. The inner and outer boom and platform are assembled to form an integrated mechanical structure which provides vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 feet and has a maximum horizontal reach of 60 feet when the boom is extended to 72 feet. Capacity of the platform is 1500 pounds. This platform is used to work on and to remove or to install the horizontal stabilizer on the C-5 and C-17 aircraft. It can also be used as a deicer on other large aircraft. It contains a system which delivers deicing and defrosting fluids over external aircraft surfaces that are normally inaccessible.

B. PURPOSE OF PROCUREMENT: This item is being procured to fill C-5 shortages which will allow the maintenance work requiring the boom capability to be accomplished.

C. APPLICATION: The High Reach Maintenance Platform supports the C-5 and C-17 aircraft.

D. REQUIREMENTS: FY96 - 3 shortages (C-5)
- 6 replacements (C-5)

E. IMPACT: Lack of this item will cause maintenance and deicing of the C-5 aircraft to be suspended until a High Reach can be borrowed from another base thereby increasing aircraft downtime.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	
			152

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM, HIGH REACH NSN: 1730-01-249-0097

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	CALAVAR	OA/FP	GSA	SEP 94	FEB 95	14	469	NO	NO	
FY96	UNKNOWN 8300 IMPERIAL DR WACO, TX	OPTION*	AFMC/SA-ALC	MAR 96	OCT 96	9	483	YES	NO	

D. REMARKS
* FY96 OPTION UNIT COST BASED ON FY95 (BP10) C/FFP CONTRACT TO BE AWARDED IN JUNE 1995.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: MAINTENANCE PLATFORM, HIGH REACH

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95															FISCAL YEAR 96												FISCAL YEAR 97										LATER
					94	94	94	CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97										
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY94	AF	14	0	14					2	2	2	2	2	2	2																											
FY95 (BP10 Initial)	AF	19	0	19									C							2	2	2	2	2	2	2	2	2	1													
FY96	AF	9	0	9																		C							1	2	2	2	2									
TOTAL		42	0	42	0	0	0	0	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		2	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		5	7	12

REMARKS:

154

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE:
MAINTENANCE PLATFORM, HIGH REACH NSN: 1730-01-249-0097

ASSETS

On Hand as of 31 Mar 94	37
Due-In w/all Prior Years' Funds	14
Due-In w/FY95 Funds	0
TOTAL ASSETS:	51

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	12
FY96:	8
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (31MONTHS)	20

PROCUREMENT LEADTIME: 13 months

NET ASSETS:	31

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	2
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	52
Air National Guard Requirement	2
Air Force Reserve Requirement	5
TOTAL REQUIREMENT	61
APPROVED ACQUISITION OBJECTIVE	61

PROCUREMENT REQUIREMENT

Total FY96 Requirement	61
Less Net Assets	33
Required FY96 Procurement	30
Planned FY96 Procurement	9
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: NINETEEN OF THE TWENTY ONE REMAINING QUANTITY TO BE PROCURED ARE INITIAL SHORTAGES WHICH WILL BE PROCURED AS PART OF THE WEAPON SYSTEM (BP10).

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE C-5 Empennage Stand NSN: 1730-00-158-3039				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	3	0	0	0	0	0
COST (In Mil)	$0.000	$0.000	$2.471	$0.000	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The C-5 Empennage Stand is a self-propelled maintenance platform that contains six working levels including a horizontal platform at the upper level. The stand is 71 feet 9 inches tall and is 76 feet 8 inches wide. It is designed to provide access to all inspection points to allow personnel to remove, install, and inspect all empennage (aircraft structure consisting of the horizontal and vertical stabilizers) accessories and flight controls of the C-5 aircraft.

B. PURPOSE OF PROCUREMENT: To provide replacement of several stands that were originally bought with the first C-5 aircraft. These stands are quickly reaching the end of their 20 year service life. Continued use will require costly repairs to ensure a safe, reliable stand is available. One shortage needs to be filled for an Air Force Reserve unit converting to C-5s.

C. APPLICATION: This maintenance platform supports C-5 aircraft.

D. REQUIREMENTS: FY96 - 1 shortage
- 2 replacements

E. IMPACT: The C-5 Empennage Stand is essential to the maintenance reliability of the C-5 aircraft fleet and the safety of those maintenance personnel required to work at the great heights associated with the empennage. Without this platform, safe, reliable, timely, and efficient maintenance would be impossible to perform. Many critical inspections, repairs and time compliance technical order requirements would not be able to be accomplished, ultimately grounding the Air Forces heavy airlift transport fleet.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	156

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND
NSN: 1730-00-158-3039

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY87	ATCKISON	FFP	AFLC/SA-ALC	JAN 88	JUL89	3	652			
FY96	UNKNOWN 1801 WEST GLADSTONE ST AZUSA, CA	C/FFP	AFMC/SA-ALC	JAN 96	AUG 97	3	824*	NO	YES	FEB 95

D. REMARKS
* FY96 UNIT COST BASED ON JAN 88 CONTRACT INFLATED BY FY96 INDICES.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY96	AF	3	0	3																C																			3		
TOTAL			3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		3	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	2	3	19	22
REORDER				

REMARKS:

158

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND
NSN: 1730-00-158-3039

ASSETS

On Hand as of 31 Mar 94	7
Due-In w/all Prior Years' Funds	0
Due-In w/FY95 Funds	
TOTAL ASSETS:	7

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	2
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (41 MONTHS)	2
PROCUREMENT LEADTIME: 22 months	
NET ASSETS:	5

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	5
Air National Guard Requirement	1
Air Force Reserve Requirement	2
TOTAL REQUIREMENT	8
APPROVED ACQUISITION OBJECTIVE	8

PROCUREMENT REQUIREMENT

Total FY96 Requirement	8
Less Net Assets	5
Required FY96 Procurement	3
Planned FY96 Procurement	3
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Pacer Comet III
NSN: 4920-01-179-5108DQ

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	2	0	2	2	0	0	0	0
COST (In Mil)	$2.556	$0.000	$2.206	$2.206	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: Pacer Comet III (PC III) is an automated test system designed for testing all jet and gas turbine engines. When interfaced with a jet engine test cell, this system enables a test cell to provide multiple engine testing. This system is generic and comprised of off-the-shelf electronic components assembled and installed by SA-ALC/TISAE. PC III is the only automated system currently in the AF inventory that can provide multi-engine testing of all critical and variable parameters.

B. PURPOSE OF PROCUREMENT: The Air Force has the requirement to test eight types of jet engines at the 46th Test Wing at Eglin AFB. Two new T-9 Noise Suppressors are being built to provide noise suppression and all weather test capability for these engines. However, conventional manual instrumentation will not adequately accommodate and support all eight types of engines. PC III was developed to accomplish this task. FY96 and FY97 requirements are for test cells at units with multiple engine testing requirements (Mountain Home AFB, Kadena AFB, Arnold AFB,and Spangdahlem AFB.)

C. APPLICATION: Tests critical and variable parameters on F100-PW-100 / 200 / 220 / 220E / 229, F110-GE-100 / 129, TF30, and J85-100 engines.

D. REQUIREMENTS: FY96 - 2 shortages
FY97 - 2 shortages

E. IMPACT: Failure to obtain PC III systems will have a significant impact on composite engine test cell capability and would result in considerable delay or loss of critical aircraft missions of all types. Extensive wear and tear of support equipment, test equipment, and facilities would be caused by constant reconfiguration of the T-9 Noise Suppressor to accommodate each type of engine's conventional manual instrumentation. Additionally, countless manhours would be wasted on reconfiguration and recalibration. The possibility of safety incidents would likely increase.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	160

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

PACER COMET III
NSN: 4920-01-179-5108DQ

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

SA-ALC/TISAE
KELLY AFB, TX

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
PACER COMET III	A	2	1,033	2,066				2	1,033	2,066	2	1,033	2,066
TECHNICAL DATA				350						140			140
INTERFACE EQUIPMENT	A			140									
TOTAL				2,556						2,206			2,206

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE PACER COMET III
NSN: 4920-01-179-5108DQ

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
[illegible]4	SA-ALC/TI	MOA*	AFMC/SA-ALC	AUG 94	OCT 95	2	1,033**			
FY96	SA-ALC/TI	MOA	AFMC/SA-ALC	NOV 95	JAN 97	2	1,033**	YES	NO	
FY97	SA-ALC/TI	MOA	AFMC/SA-ALC	NOV 96	JAN 98	2	1,033**	YES	NO	

D. REMARKS
*MEMORANDUM OF AGREEMENT
**UNIT COST IS BASED ON ESTIMATE PROVIDED BY SA-ALC/TI

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: PACER COMET III

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97									LATER
					CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97									
					94	94	94																															
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY94	AF	2	0	2													2															2								
FY96	AF	2	0	2														C																						2
FY97	AF	2	0	2																										C										
TOTAL			6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
SA-ALC/TISAE KELLY AFB, TX	1		2/YR	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		1	14	15

REMARKS:

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: PACER COMET III																								DATE: FEBRUARY 1995												
	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR				CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
	97	97	97																																		
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY97				2																																	
TOTAL	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: PACER COMET III
NSN: 4920-01-179-5108DQ

ASSETS

On Hand as of 31 Mar 94	7
Due-In w/all Prior Years' Funds	2
Due-In w/FY95 Funds	0
TOTAL ASSETS:	9

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (34 MONTHS)	0
PROCUREMENT LEADTIME: 15 months	
NET ASSETS:	9

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	11
Air National Guard Requirement	
Air Force Reserve Requirement	
TOTAL REQUIREMENT	11
APPROVED ACQUISITION OBJECTIVE	11

PROCUREMENT REQUIREMENT

Total FY96 Requirement	11
Less Net Assets	9
Required FY96 Procurement	2
Planned FY96 Procurement	2
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: PACER COMET III
NSN: 4920-01-179-5108DQ

ASSETS

On Hand as of 31 Mar 94	7
Due-In w/all Prior Years' Funds	2
Due-In w/FY96 Funds	2
TOTAL ASSETS:	11

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	0
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (46 MONTHS)	0
PROCUREMENT LEADTIME: 15 months	
NET ASSETS:	11

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	13
Air National Guard Requirement	
Air Force Reserve Requirement	
TOTAL REQUIREMENT	13

APPROVED ACQUISITION OBJECTIVE 13

PROCUREMENT REQUIREMENT

Total FY97 Requirement	13
Less Net Assets	11
Required FY97 Procurement	2
Planned FY97 Procurement	2
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE Compass Calibrator MC-2000 NSN: 4920-01-328-3419NT				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	72	64	0	0	0	0
COST (In Mil)	$0.000	$0.000	$6.049	$5.539	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The MC-2000 Compass Calibrator Set is used to perform magnetic compass system alignment when a compass system is installed or one of its components is replaced on an aircraft. The compass system provides primary heading information to aircraft flight instruments used for aircraft navigation.

B. PURPOSE OF PROCUREMENT: The MC-2000 is compatible with the current state-of-the-art compass systems whereas the existing calibrators are not compatible. Existing calibrators are 1960s technology and have low reliability. The MC-2000 set reduces calibration time by at least fifty percent. The MC-2000 Compass Calibrators will increase mission readiness due to shorter aircraft servicing time, is a fully supportable/maintainable system and eliminates the requirement for a Compass Rose. A Compass Rose is physically embossed onto a remote area of the maintenance ramp and is used to align the aircraft axis to the magnetic headings required to calibrate the compass. The MC-2000 also automatically compensates for changing magnetic fields and it will reduce time required to complete compass swings, reduce training requirements and reduce the size and complexity of the calibrator hardware.

C. APPLICATION: The compass calibrator supports the B-1B, Special Operations Forces (SOF) aircraft and other Air Combat Command and Air Mobility Command aircraft.

D. REQUIREMENTS: FY96 - 72 shortages
FY97 - 64 shortages

E. IMPACT: Without the MC-2000 Compass Calibrator, there will be no capability to calibrate compass systems on SOF aircraft, the B-1B and other strategic, tactical and mobility aircraft where older calibrators are not adequate for compass calibration/alignment. Being 1960s technology, they are low in reliability. Depot repair is increasingly difficult due to obsolete parts and increasing negative response from vendors for new procurement and/or repair. Not having this capability will ground aircraft.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE COMPASS CALIBRATOR MC-2000
NSN: 4920-01-328-3419NT

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
2	HONEYWELL	SS/FFP	AFMC/OC-ALC	JUN 93	JUL 95	60	60			
FY96	HONEYWELL	SS/FFP	AFMC/OC-ALC	NOV 95	MAY 96	72	65*	YES	NO	
FY97	HONEYWELL	SS/FFP	AFMC/OC-ALC	NOV 96	MAY 97	64	67*	YES	NO	
	HONEYWELL DURHAM, NC									

D. REMARKS
* UNIT COSTS FOR FY96 AND 97 BASED ON FY92 CONTRACT ESCALATED BY RESPECTIVE INFLATION INDICES.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

COMPASS CALIBRATOR MC-2000
NSN: 4920-01-328-3419NT

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

HONEYWELL
DURHAM, NC

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
COMPASS CALIBRATOR	A							72	65	4,707	64	67	4,310
WARRANTY										1,342			1,229
TOTAL										6,049			5,539

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
			169

P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC-2000

DATE: FEBRUARY 1995

FY96/97 BUDGET PRODUCTION SCHEDULE

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY92	AF	60	0	60							FAA			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6						
FY96	AF	72	0	72														C						6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	34
FY97	AF	64	0	64																										C						6	6	6	6	6	
TOTAL		196	0	196	0	0	0	0	0	0	0	0	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	34
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
HONEYWELL DURHAM, NC	1		6	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER	5	1	6	7

REMARKS:

170

P-1 SHOPPING LIST
ITEM NO.

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC-2000																																										DATE: FEBRUARY 1995	
	FISCAL YEAR 98															FISCAL YEAR 99												FISCAL YEAR 00															
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00															LATER
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
FY97	6	6	6	6	6	4																																						
TOTAL	6	6	6	6	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC -2000
NSN: 4920-01-328-3419NT

ASSETS

On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	60
Due-In w/FY95 Funds	0
TOTAL ASSETS:	60

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (37 MONTHS)	0
PROCUREMENT LEADTIME: 7 months	
NET ASSETS:	60

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	104
Air National Guard Requirement	54
Air Force Reserve Requirement	38
TOTAL REQUIREMENT	196
APPROVED ACQUISITION OBJECTIVE	196

PROCUREMENT REQUIREMENT

Total FY96 Requirement	196
Less Net Assets	60
Required FY96 Procurement	136
Planned FY96 Procurement	72
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO CONTRACTOR PRODUCTION LIMITATIONS.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC -2000
NSN: 4920-01-328-3419NT

ASSETS	
On Hand as of 31 Mar 94	0
Due-In w/all Prior Years' Funds	60
Due-In w/FY96 Funds	72
TOTAL ASSETS:	132

DISPOSALS (Planned & Projected thru FY97 FDP)	
FY96 since as of date:	0
FY97:	0
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (48 MONTHS)	0
PROCUREMENT LEADTIME: 7 months	
NET ASSETS:	132

ACTUAL TRAINING EXPENDITURE	
FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY96	
FY95	
FY94	
FY93	
FY92	

REMARKS:

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	104
Air Force Requirement	54
Air National Guard Requirement	38
Air Force Reserve Requirement	
TOTAL REQUIREMENT	196
APPROVED ACQUISITION OBJECTIVE	196

PROCUREMENT REQUIREMENT	
Total FY97 Requirement	196
Less Net Assets	132
Required FY97 Procurement	64
Planned FY97 Procurement	64
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Oxygen Regulator Tester NSN: 4920-01-321-1839				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	1	269	0	0	0	0	0
COST (In Mil)	$0.000	$.018	$5.113	$0.000	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The Oxygen Regulator Tester was introduced to the Air Force inventory in support of Combat Edge (F-16) and Molecular Sieve Oxygen Generating System (F-15) test requirements. This tester was required because the old regulator tester did not have positive breathing gas test capability. Oklahoma City Air Logistics Center has informed all Major Commands that the old tester is no longer authorized for testing MD-1 panel mounted oxygen regulators due to unreliable results and possible damage occurring during testing. The tester is used in preflight checks of the oxygen regulator and related equipment while mounted on the aircraft. The regulator is part of a life support system, and this tester ultimately provides the means to determine if the correct quantity of oxygen is being provided.

B. PURPOSE OF PROCUREMENT: Due to the unreliability of the current oxygen regulator tester and the possibility of damage to equipment with its use, and danger to aircrews, complete replacement is required. In addition, inventory shortages will also be filled by this new tester.

C. APPLICATION: All Air Force aircraft requiring onboard oxygen regulator testing.

D. REQUIREMENTS: FY96 - 133 shortages
- 136 replacements

E. IMPACT: This essential life support system tester supports all oxygen regulators in the Air Force inventory. Onboard oxygen regulator system testing is required to ensure adequate oxygen pressure is available to aircrews under all flight conditions. Without proper testing, aircrews will be subject to possible hypoxia and unconsciousness, ultimately leading to loss of aircraft and lives.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	174

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE OXYGEN REGULATOR TESTER
NSN: 4920-01-321-1839

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY95	UNKNOWN	C/FFP	AFMC/SA-ALC	APR 95	FEB 96	1	18*	YES	NO	
FY96	UNKNOWN	OPTION	AFMC/SA-ALC	APR 96	SEP 96	269	19	YES	NO	

D. REMARKS
* UNITS COST FOR FY 95 AND FY96 BASED ON FY92 BUDGET PROGRAM 1100 (AIRCRAFT MODIFICATIONS) CONTRACT UNIT COST INFLATED BY RESPECTIVE INDICES.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: OXYGEN REGULATOR TESTER

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	94 OCT	94 NOV	94 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
					FISCAL YEAR 95															FISCAL YEAR 96												FISCAL YEAR 97									
					CALENDAR YEAR 95															CALENDAR YEAR 96												CALENDAR YEAR 97									
FY95	AF	1	0	1							C							FA			FAA							1												
FY96	AF	269	0	269																			C					29	30	30	30	30	30	30	30	30					
FY96 (BP 10 Initial)	AF	7	0	7																																	7				
TOTAL			277	0	277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	7	0	0	0	0

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	PROCUREMENT LEAD TIME																																			

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		30	

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		6	5	11
REORDER				

REMARKS: FIRST ARTICLE WILL BE RETAINED BY MANUFACTURER AS MODEL AND DELIVERED WITH FIRST PRODUCTION LOT.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: OXYGEN REGULATOR TESTER
NSN: 4920-01-321-1839

ASSETS		
On Hand as of 31 Mar 94		335
Due-In w/all Prior Years' Funds	(BP11 FUNDED)	7
Due-In w/FY95 Funds		1
TOTAL ASSETS:		343

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	0
FY96:	136
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (39 MONTHS)	136
PROCUREMENT LEADTIME: 11 months	
NET ASSETS:	207

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	316
Air Force Requirement	128
Air National Guard Requirement	39
Air Force Reserve Requirement	
TOTAL REQUIREMENT	483
APPROVED ACQUISITION OBJECTIVE	483

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	483
Less Net Assets	207
Required FY96 Procurement	276
Planned FY96 Procurement	269
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: REMAINING 7 UNITS REQUIRED IN FY96 WILL BE PROCURED BY BP10 (C-17 INITIAL REQUIREMENTS).

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Purge Unit NSN: 3655-00-429-2896				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	1	0	296	0	16	0	0	0
COST (In Mil)	$0.180	$0.000	$3.425	$0.000	$.310	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The Purge Unit is used to evacuate and dehumidify liquid oxygen (LOX) and nitrogen (LIN) storage tanks during maintenance. The unit is trailer mounted for transport on the flightline. The unit consists of an electric motor and pulley driven blower, 6 kilowatt heater, and pressure lines. Air is drawn through elemental filters, forced into metal tubing, heated to 350 degrees and pressurized for discharge into the LOX/LIN tank undergoing maintenance.

B. PURPOSE OF PROCUREMENT:. To fill shortages and replace 20 - 30 year old equipment that is rapidly becoming unsupportable and obsolete.

C. APPLICATION: Aircraft supported by this equipment include the B-1B, C-5, C-130, C-135, C-141, F-15, and F-16.

D. REQUIREMENTS: FY96 - 90 shortages
- 206 replacements

E. IMPACT: Purge Units are used for direct aircraft maintenance as well as maintenance on storage and transport tanks for LOX production in support of life support and medical activities. LIN storage and transport tanks must be moisture free to prevent injection of moisture into aircraft accumulators, struts and tires. The currently in-use, obsolete method/equipment for purging moisture is 20 - 30 years old. If replacement Purge Units are not made available to perform this function properly, equipment and personnel safety is jeopardized.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

PURGE UNIT
NSN: 3655-00-429-2896

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

PACIFIC CONSOLIDATED
ORANGE, CA

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
PURGE UNIT	A	1	38	38				296	12	3,425			
TECHNICAL DATA				27									
FIRST ARTICLE TEST PLAN/DOC				115									
TOTAL				180						3,425			

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis	179

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE PURGE UNIT
NSN: 3655-00-429-2896

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
[illegible]4	PACIFIC	C/FFP	AFMC/SA-ALC	JUL 94	DEC 95	1*	38			
FY96	PACIFIC	OPTION	AFMC/SA-ALC	NOV 95	MAR 96	296	12**	YES	NO	
	PACIFIC CONSOLIDATED ORANGE, CA									

D. REMARKS
* FIRST ARTICLE QUANTITY
** UNIT COST BASED ON FY94 REQUIREMENTS CONTRACT

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: PURGE UNIT

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY94	AF	1		1										FA		FAA			1																					
FY96	AF	296	0	296														C				3	30	30	30	30	30	30	30	30	30	23									
FY94	FMS	20	0	20																		20																			
FY96 (BP10 Initial)	AF	7	0	7																		7																			
TOTAL		324	0	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	30	30	30	30	30	30	30	30	30	30	23	0	0	0	0	0	0	0	0

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
PACIFIC CONSOLIDATED ORANGE, CA	1		30	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		1	4	5

REMARKS: FY94 FIRST ARTICLE TO BE REFURBISHED AFTER TESTING AND RE-DELIVERED IN DEC 95.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: PURGE UNIT
NSN: 3655-00-429-2896

ASSETS	
On Hand as of 31 Mar 94	225
Due-In w/all Prior Years' Funds	1
Due-In w/FY95 Funds	0
TOTAL ASSETS:	226

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	0
FY96:	191
FY97:	35
FY98:	
FY99:	
TOTAL DISPOSALS (34 MONTHS)	226
PROCUREMENT LEADTIME: 5 months	
NET ASSETS:	0

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	16
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	188
Air National Guard Requirement	89
Air Force Reserve Requirement	26
TOTAL REQUIREMENT	319
APPROVED ACQUISITION OBJECTIVE	319

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	319
Less Net Assets	0
Required FY96 Procurement	319
Planned FY96 Procurement	296
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO 16 WRM SHORTAGES DEFERRED TO FY98 AND 7 INITIAL REQUIREMENTS FUNDED BY BP10 (F-16C/D).

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Hydraulic Pumping Unit, AF/M27M-1 NSN 4320-00-914-1120YZ			
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	65	186	0	6	0	0	0
COST (In Mil)	$0.000	$1.601	$4.580	$0.000	$0.187	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The AF/M27M-1 Hydraulic Pumping Unit is used for various aircraft jacking operations. This unit is completely self-contained, mobile, and protected from climatic conditions by a weatherproof housing. Pressure is provided by a four piston axial constant volume hydraulic pump, capable of delivering four gallons per minute at 3,000 pounds per square inch gauged continuously when used with MIL -H-5606 hydraulic fluid. The unit is driven by a two-cylinder diesel engine directly coupled to the pump through a flexible coupling. The pump is driven at 2200 revolutions per minute. Hydraulic fluid is delivered by the pump to nine (9) hose assemblies coiled on three hose reels contained within the housing of the pumping unit. A manual selector valve is included to control the various jacking operations. The entire unit is permanently mounted on a four wheeled pneumatic-tired trailer. The trailer is fitted with a hinged towbar and is designed to be towed at speeds up to 20 miles per hour over paved runways and highways. The unit is approximately 86 inches long, 58 inches wide, and 51 inches high. It weighs approximately 2,400 pounds.

B. PURPOSE OF PROCUREMENT: FY95 funding begins a procurement program that will replace all current gasoline driven hydraulic pumping units that are currently in the inventory. These units have reached the end of their service life and are experiencing increasing breakdowns and unavailability of parts. This procurement program will also standardize the hydraulic pumping unit fleet, provide a less costly spares inventory and provide for higher reliability.

C. APPLICATION: The Hydraulic Pumping Unit is used for jacking operations on all large cargo type aircraft as well as the B-1B and B-52H bombers and the E-3A and C-135 series aircraft.

D. REQUIREMENT: FY96 - 22 shortages and 164 replacements

E. IMPACT: Without procurement of the AF/M27M-1, the Air Force will increasingly experience downtime for its large aircraft fleet due to lack of jacking capability. Maintenance personnel will have to revert to time consuming manual jacking operations. In addition, timely response to emergencies involving the requirement to lift/jack damages aircraft due to blown tires or collapsed struts on landing will be nearly impossible. Life and property may be placed in jeopardy.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	183

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE HYDRAULIC PUMPING UNIT, AF/M27M-1 NSN 4320-00-914-1120YZ

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY92	HECO DIVISION	C/FFP	AFMC/SA-ALC	FEB 93	MAR 95	1	40,476			
FY95	HECO DIVISION	OPTION	AFMC/SA-ALC	FEB 95	SEP 95	65	24,626	YES	NO	
FY96	HECO DIVISION	OPTION	AFMC/SA-ALC	OCT 95	MAY 96	186	24,626	YES	NO	
	BARKER ROCKFORD CO, HECO DIVISION PALATINE, IL									

D. REMARKS
*FY95 AND FY96 UNIT COSTS BASED ON MODIFICATION OF FY92 C/FFP WITH UNIT COSTS OF $24,626.00 FOR QUANTITIES 21 OR GREATER.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: HYDRAULIC PUMPING UNIT, AF/M27M-1

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97									LATER
					CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97									
					94	94	94																															
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY90	AF	10	0	10						10																														
FY91	AF	48	0	48							10	10	10	10	8																									
FY92	AF	1	0	1		FA			FAA																															
FY95	AF	65	0	65					C							10	10	10	10	10	10	5																		16
FY96	AF	186	0	186													C							10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
FY91	FMS	1	0	1											1																									
FY95 (BP10 Initial (C-17))	AF	15	0	15																		5	10																	
TOTAL			326	0	326	0	0	0	0	1	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	16
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCAT

BARKER ROCKFORD CO.
HECO DIVISION
PALATINE, IL

PROD RATES MIN		MAX	REA-CH D→
1		10	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER			7	7

REMARKS:

P-1 SHOPPING LIST
ITEM NO.

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: HYDRAULIC PUMPING UNIT, AF/M27M-1																																					DATE: FEBRUARY 1995
	FISCAL YEAR 98															FISCAL YEAR 99												FISCAL YEAR 00									LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY96	10	6																																			
TOTAL	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: HYDRAULIC PUMPING UNIT, AF/M27M-1
NSN 4320-00-914-1120YZ

ASSETS	
On Hand as of 31 Mar 94	263
Due-In w/all Prior Years' Funds	59
Due-In w/FY95 Funds	65
TOTAL ASSETS:	387

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	187
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (21 MONTHS)	187
PROCUREMENT LEADTIME: 7 months	
NET ASSETS:	200

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	17
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	273
Air National Guard Requirement	76
Air Force Reserve Requirement	39
TOTAL REQUIREMENT	405
APPROVED ACQUISITION OBJECTIVE	405

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	405
Less Net Assets	200
Required FY96 Procurement	205
Planned FY96 Procurement	186
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN REQUIRED AND PLANNED FY96 PROCUREMENT IS DUE TO 15 BP10 FUNDED INITIAL REQUIREMENTS FOR THE C-17 AND THE DEFERRAL OF 4 WRM SHORTAGES TO FY98.

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Hydraulic Test Stand, 3 System, Electric
NSN: 4920-01-380-4744

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	2	37	121	0	0	0
COST (In Mil)	$0.000	$0.000	$.441	$1.813	$6.107	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The Hydraulic Test Stand, 3 System is a trailer mounted, electric powered unit. Dimensions are 61 inches high by 60 inches wide by 96 inches in length. Fully loaded it will weigh 4,900 pounds. The major components consist of a hydraulic system, control panel, fan/blower, electric motor, trailer and housing. This unit is used in aircraft maintenance hangars to pressurize aircraft hydraulic systems where it would be unsafe to use the diesel powered hydraulic test stand, the aircrafts engines or auxiliary power unit. This pressurization allows a functional check of the flight control systems and landing gear operations prior to aircraft flight.

B. PURPOSE OF PROCUREMENT: Current 3 system hydraulic test stands average 26 years in age and consist of 4 national stock numbers and configurations. All have exceeded their service life of 20 years and many of them are quickly becoming difficult to maintain. Due to the numerous configurations, the supply system is required to maintain multiple replacement items. Maintenance personnel required to operate and maintain these units have to be trained on all. Procurement of this new unit will provide increased reliability and standardization as well as decreased O&M and training costs.

C. APPLICATION: All Air Force aircraft requiring 3 system hydraulic support.

D. REQUIREMENTS: FY96 - 2 (First Articles)
FY97 - 37 replacements

E. IMPACT: Without these replacements, O&M and training costs will continue to escalate. Lack of reliable, maintainable 3 system hydraulic test stands will greatly hamper the efficiency and safety of the fighter, rescue and recovery and special operations forces. Inadequate testing of flight controls and landing gears could lead to loss of aircrews and aircraft.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC
NSN: 4920-01-380-4744

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

UNKNOWN

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HYDRAULIC TEST STAND	A							2	95	190	37	49	1,813
TECHNICAL DATA										251			
TOTAL										441			1,813

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis	189

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC NSN: 4920-01-380-4744

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
[illegible]6	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 95	APR 97	2	95*	YES	NO	
FY97	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 97	JAN 98	37	49*	YES	NO	

D. REMARKS
* UNIT COST FOR FY96 (FIRST ARTICLE) AND FY97 ARE BASED ON ENGINEERING ESTIMATE.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
					94	94	94	CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97								
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
																			C														FA		FAA						
FY96	AF	2	0	2																																C					37
FY97	AF	37	0	37																																					3
FY97	FMS	3	0	3																																					
TOTAL		42	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	40
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		10	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		2	14	16
REORDER			8	8

REMARKS:

191

P-1 SHOPPING LIST
ITEM NO.

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC																							DATE: FEBRUARY 1995													
	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR				CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
	97	97	97																																		
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY97				7	10	10	10																														
FY97 (FMS)				3																																	
TOTAL	0	0	0	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM ELECTRIC
NSN 4920-01-380-4744

ASSETS	
On Hand as of 31 Mar 94	234
Due-In w/all Prior Years' Funds	0
Due-In w/FY95 Funds	0
TOTAL ASSETS:	234

DISPOSALS (Planned & Projected thru FY96 FDP)	
FY95 since as of date:	0
FY96:	0
FY97:	189
FY98:	
FY99:	
TOTAL DISPOSALS (54 MONTHS)	189
PROCUREMENT LEADTIME: 12 months	
NET ASSETS:	45

ACTUAL TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE	
FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE	
Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	145
Air National Guard Requirement	17
Air Force Reserve Requirement	2
TOTAL REQUIREMENT	164
APPROVED ACQUISITION OBJECTIVE	164

PROCUREMENT REQUIREMENT	
Total FY96 Requirement	164
Less Net Assets	45
Required FY96 Procurement	119
Planned FY96 Procurement	2
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: FY96 PROCUREMENT IS FOR TWO FIRST ARTICLES ONLY.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC NSN: 4920-01-380-4744

ASSETS

On Hand as of 31 Mar 94	234
Due-In w/all Prior Years' Funds	0
Due-In w/FY96 Funds	2
TOTAL ASSETS:	236

USAGE (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	189
FY98:	
FY99:	
FY00:	
TOTAL USAGE (54 MONTHS)	189
PROCUREMENT LEADTIME: 12 months	
NET ASSETS:	47

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	145
Air National Guard Requirement	17
Air Force Reserve Requirement	2
TOTAL REQUIREMENT	164
APPROVED ACQUISITION OBJECTIVE	164

PROCUREMENT REQUIREMENT

Total FY97 Requirement	164
Less Net Assets	47
Required FY97 Procurement	117
Planned FY97 Procurement	37
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

REMARKS: VARIANCE BETWEEN TOTAL FY97 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 1995	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Hydraulic Test Stand, 3 System, Diesel NSN: 4920-01-380-7460				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	2	20	117	75	0	0
COST (In Mil)	$0.000	$0.000	$.639	$.980	$5.905	$3.899	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The Hydraulic Test Stand, 3 System is a trailer mounted, diesel powered unit. Dimensions are 61 inches high by 60 inches wide by 96 inches in length. Fully loaded it will weigh 4,900 pounds. The major components consist of a hydraulic system, control panel, fan/blower, diesel engine system, trailer and housing. This unit is used on the flightline to pressurize aircraft hydraulic systems without having to use the aircraft's engines or auxiliary power unit. This pressurization allows a functional check of the flight control systems and landing gear operations prior to aircraft flight.

B. PURPOSE OF PROCUREMENT: Current 3 system hydraulic test stands average 26 years in age and consist of numerous national stock numbers and configurations. All have exceeded their service life of 16 years and many of them are quickly becoming difficult to maintain. Due to the numerous configurations, the supply system is required to maintain multiple replacement items. Maintenance personnel required to operate and maintain these units have to be trained on all. Procurement of this new unit will provide increased reliability and standardization as well as decreased O&M and training costs. The diesel engine will also meet environmental restrictions.

C. APPLICATION: All Air Force aircraft requiring 3 system hydraulic support.

D. REQUIREMENTS: FY96 - 2 (First Articles)
FY97 - 12 shortages
- 8 replacements

E. IMPACT: Without these replacements, O&M and training costs will continue to escalate. Lack of reliable, maintai[illegible] 3 system hydraulic test stands will greatly hamper the efficiency and safety of the fighter, rescue and recovery and special operations forces. Inadequate testing of flight controls and landing gears could lead to loss of aircrews and aircraft.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	
			195

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL
NSN: 4920-01-380-7460

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

UNKNOWN

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HYDRAULIC TEST STAND	A							2	95	190	20	49	980
TECHNICAL DATA										449			
TOTAL										639			980

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL NSN: 4920-01-380-7460

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY96	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 95	APR 97	2	95*	YES	NO	
FY97	UNKNOWN	OPTION	AFMC/SA-ALC	JUN 97	JAN 98	20	49	YES	NO	

D. REMARKS
* UNIT COSTS FOR FY96 (FIRST ARTICLE) AND FY97 ARE BASED ON ENGINEER ESTIMATE.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY96	AF	2	0	2															C														FA		FAA						
FY97	AF	20	0	20																																C					20
FY97	FMS	23	0	23																																					23
TOTAL		45	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	43
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		10	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		2	14	16
REORDER			8	8

REMARKS:

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL																																							DATE: FEBRUARY 1995
	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY97				5	5	5	5																														
FY97 (FMS)				5	5	5	5	3																													
TOTAL	0	0	0	10	10	10	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM DIESEL
NSN 4920-01-380-7460

ASSETS

On Hand as of 31 Mar 94	426
Due-In w/all Prior Years' Funds	0
Due-In w/FY95 Funds	0
TOTAL ASSETS:	426

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	214
FY98:	
FY99:	
TOTAL DISPOSALS (54 MONTHS)	214

PROCUREMENT LEADTIME: 12 months

NET ASSETS: 212

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	65
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	293
Air National Guard Requirement	34
Air Force Reserve Requirement	3
TOTAL REQUIREMENT	395

APPROVED ACQUISITION OBJECTIVE 395

PROCUREMENT REQUIREMENT

Total FY96 Requirement	395
Less Net Assets	212
Required FY96 Procurement	183
Planned FY96 Procurement	2
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: FY96 PROCUREMENT IS FOR TWO FIRST ARTICLES ONLY.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM DIESEL
NSN: 4920-01-380-7460

ASSETS

On Hand as of 31 Mar 94	426
Due-In w/all Prior Years' Funds	0
Due-In w/FY96 Funds	2
TOTAL ASSETS:	428

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	0
FY97:	214
FY98:	
FY99:	
FY00:	
TOTAL DISPOSALS (54 MONTHS)	214
PROCUREMENT LEADTIME: 12 months	
NET ASSETS:	214

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	65
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	293
Air National Guard Requirement	34
Air Force Reserve Requirement	3
TOTAL REQUIREMENT	395
APPROVED ACQUISITION OBJECTIVE	395

PROCUREMENT REQUIREMENT

Total FY97 Requirement	395
Less Net Assets	214
Required FY97 Procurement	181
Planned FY97 Procurement	20
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Test Stand, Hydraulic Component NSN: 4920-00-450-0553				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	2	0	84	84	59	0
COST (In Mil)	$0.000	$0.000	$.720	$0.000	$8.652	$8.912	$6.449	$0.000

A. DESCRIPTION/FUNCTION: The Hydraulic Component Test Stand is comprised of two parts. The first section is the drive console which houses a drive panel, pump mounting pad, and skid that contains a variable speed direct current electric drive motor with associated parts. It also contains a high pressure system hydraulic pump with electric drive motor, volume control, high pressure filter, and ripple filter. The second section is a control console containing controls, indicators, and ports used during test stand operation. The stand is used to check serviceability of aircraft components prior to installation, pressure check locally manufactured hoses, and test repaired aircraft hydraulic components.

B. PURPOSE OF PROCUREMENT: Current test stands will have exceeded their service life by 5 to 10 years by beginning of production deliveries. Most are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: All Air Force maintained aircraft.

D. REQUIREMENTS: FY96 - 2 (First Articles)

E. IMPACT: Failure to procure this Hydraulic Component Test Stand will result in the continued costly repair of old, worn out units, and high manhour expenditures. Current stands have many parts that are no longer available through the supply system due to obsolescence. The newer aircraft in the inventory have hydraulic pressure requirements in the upper limits of the current stands and may well exceed these limits soon. Lack of proper hydraulic testing could result in possible failure of aircraft components, damage to equipment and aircraft as well as the loss of aircraft and aircrew lives.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	202

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE
FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

TEST STAND, HYDRAULIC COMPONENT
NSN: 4920-00-450-0553

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

UNKNOWN

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
TEST STAND, HYDRAULIC COM	A							2	250	500			
TECHNICAL DATA										220			
TOTAL										720			

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
			203

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE
FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY96	UNKNOWN	C/FFP	AFMC/SA-ALC	MAR 96	JUL 97	2	250*	YES	NO	

D. REMARKS
* FY96 FIRST ARTICLE UNIT COSTS BASED ON ENGINEERING ESTIMATE.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: TEST STAND, HYDRAULIC COMPONENT

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97						
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY96	AF	2	0	2																		C													FA			FAA			
TOTAL		2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MANUFACTURER'S NAME AND LOCATION

UNKNOWN

PROD RATES MIN		MAX	REA-CH D+
1		7	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	5	16	21
REORDER				

REMARKS: 2 first article units to be retained by manufacturer as production models and delivered as last two production units.

205

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE:
TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553

ASSETS

On Hand as of 31 Mar 94	232
Due-in w/all Prior Years' Funds	0
Due-in w/FY95 Funds	0
TOTAL ASSETS:	232

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	0
FY96:	0
FY97:	
FY98:	
FY99:	
TOTAL DISPOSALS (40 MONTHS)	0

PROCUREMENT LEADTIME: 22 months

NET ASSETS: 232

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	125
Air National Guard Requirement	93
Air Force Reserve Requirement	33
TOTAL REQUIREMENT	251

APPROVED ACQUISITION OBJECTIVE 251

PROCUREMENT REQUIREMENT

Total FY96 Requirement	251
Less Net Assets	232
Required FY96 Procurement	19
Planned FY96 Procurement	2
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: THIS IS A COMPLETE INVENTORY REPLACEMENT PROGRAM. MANUFACTURING LEAD TIME PRECLUDES PROCUREMENT OF OTHER THAN 2 FIRST ARTICLE UNIT IN FY96; FULL SCALE PRODUCTION PROGRAMMED TO START IN FY98.

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Ultrasonic Flaw Detector System NSN: 6635-01-363-6674				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	144	134	0	0	0	0
COST (In Mil)	$0.000	$0.000	$2.435	$2.337	$0.000	$0.000	$0.000	$0.000

A. DESCRIPTION/FUNCTION: The Ultrasonic Flaw Detector System will be used to inspect structurally critical aircraft components for small defects. The instrument will provide the following features: A square wave pulser for electronic damping which will provide both resolution and penetration while maintaining output impedance; large, high resolution cathode-ray tube to provide greater visual resolution; on board digitalthickness gauge and data logger for accurate measurement down to 0.01 inch of aluminum; on board real time digital mass data recording; and horizontal or vertical linearity and gain accuracy/repeatability compatible with the new probability of detection requirements.

B. PURPOSE OF PROCUREMENT: Total replacement procurement program to achieve state-of-the-art technology flaw detection. Current flaw detectors are becoming obsolete, with many exceeding their useful service life. This single unit will replace 5 other stock listed flaw detectors.

C. APPLICATION: Used in Non-Destructive Inspection (NDI) laboratories throughout the Air Force in support of all aircraft.

D. REQUIREMENTS: FY96 - 144 replacements
FY97 - 134 replacements

E. IMPACT: State-of-the-art ultrasonic flaw detectors are needed to keep pace with the introduction of new materials used in the construction of Air Force aircraft. Th[illegible]lity of these new materials and aircraft are quickly exceeding the capability of the current flaw detectors. Flight safety and the lives of aircrew members could be jeopardized without the availability of this new state-of-the-art flaw detector.

F. TYPE ITEM: A

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	207

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE ULTRASONIC FLAW DETECTOR
SYSTEM NSN: 6635-01-363-6674

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
[illegible]92	STAVELY	C/FFP	AFMC/SA-ALC	NOV 92	AUG 93	2	15.5			
FY93	UNKNOWN	C/FFP	AFMC/SA-ALC	APR 95	AUG 95	30	15.5*	YES	NO	
FY96	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 96	NOV 96	144	16.9	YES	NO	
FY97	UNKNOWN	OPTION	AFMC/SA-ALC	DEC 96	JUN 97	134	17	YES	NO	
	421 NORTH QUAY ST KENNEWICK, WA									

D. REMARKS
* FY93 UNIT COST ESTIMATE BASED ON FY92 CONTRACT PRICE. FY96 AND FY97 UNIT COSTS BASED ON FY93 UNIT COST INFLATED BY RESPECTIVE INFLATION INDICES.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97									LATER
					94	94	94	CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97							
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY93	AF	30	0	30							C				8	8	8	6																						
FY96	AF	144	0	144																				C						17	20	20	20	20	20	20	7				
FY97	AF	134	0	134																											C						7	12	12	12	91
FY93	DMIF	24	0	24							C				6	6	6	6																							
FY93	FMS	29	0	29							C				6	6	6	8	3																						
FY95	ARMY	100	0	100									C						5	7	7	10	10	10	10	10	10	10	10	1											
FY95	NAVY	100	0	100									C						5	7	7	9	10	10	10	10	10	10	10	2											
FY95	FMS	20	0	20									C						7	6	6	1																			
FY97	NAVY	100	0	100																											C						6	8	8	8	70
TOTAL		681	0	681	0	0	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	161
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		MAX	REA-CH D+
UNKNOWN	1		20	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		7	6	13

REMARKS:

P-1 SHOPPING LIST
ITEM NO.

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR SYSTEM																																					DATE: FEBRUARY 1995
	FISCAL YEAR 98															FISCAL YEAR 99											FISCAL YEAR 00										LATER
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97	97	97	CALENDAR YEAR 98												CALENDAR YEAR 99											CALENDAR YEAR 00										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY97 (AF CONTINUED)	12	12	12	12	12	12	12	7																													
FY97 (NAVY CONTINUED)	8	8	8	8	8	8	8	13	1																												
TOTAL	20	20	20	20	20	20	20	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR SYSTEM
NSN: 6635-01-363-6674

ASSETS

On Hand as of 31 Mar 94	484
Due-in w/all Prior Years' Funds	30
Due-in w/FY95 Funds	0
TOTAL ASSETS:	514

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:	18
FY96:	14
FY97:	187
FY98:	
FY99:	
TOTAL DISPOSALS (39 MONTHS)	219

PROCUREMENT LEADTIME: 13 months

NET ASSETS: 295

ACTUAL TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	279
Air National Guard Requirement	150
Air Force Reserve Requirement	53
TOTAL REQUIREMENT	482

APPROVED ACQUISITION OBJECTIVE 482

PROCUREMENT REQUIREMENT

Total FY96 Requirement	482
Less Net Assets	295
Required FY96 Procurement	187
Planned FY96 Procurement	144
Total FY97 Requirement	
Less Net Assets	
Less FY96 Planned Proc	
Required FY97 Procurement	
Planned FY97 Procurement	

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO FUNDING CONSTRAINT.

P-1 SHOPPING LIST
ITEM NO.

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR SYSTEM
NSN: 6635-01-363-6674

ASSETS

On Hand as of 31 Mar 94	484
Due-In w/all Prior Years' Funds	174
Due-In w/FY96 Funds	0
TOTAL ASSETS:	658

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:	32
FY97:	187
FY98:	91
FY99:	
FY00:	
TOTAL DISPOSALS (50 MONTHS)	310
PROCUREMENT LEADTIME: 6 months	
NET ASSETS:	348

ACTUAL TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96	
FY95	
FY94	
FY93	
FY92	

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads	
Assets Required for Combat Loads	
Combat Expenditures	
War Reserve Requirement	
Annual Training	
Annual Testing	
Maintenance Pipeline	
Air Force Requirement	279
Air National Guard Requirement	150
Air Force Reserve Requirement	53
TOTAL REQUIREMENT	482

APPROVED ACQUISITION OBJECTIVE 482

PROCUREMENT REQUIREMENT

Total FY97 Requirement	482
Less Net Assets	348
Required FY97 Procurement	134
Planned FY97 Procurement	134
Total FY98 Requirement	
Less Net Assets	
Less FY97 Planned Proc	
Required FY98 Procurement	
Planned FY98 Procurement	

P-1 SHOPPING LIST
ITEM NO.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Interim Contractor Support (ICS)				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (In Mil)	$7.607	$2.384	$2.280	$1.782	$.839	$.872	$.898	$.925

A. DESCRIPTION/FUNCTION: Interim Contractor Support (ICS) is a pre-planned, temporary support alternative for the initial period of operational use of new U. S. Air Force weapon systems, equipment or modifications for which eventual organic support is planned. With ICS a contractor provides repair based on operational tempo, reliability and maintainability factors and past/projected failure rates. ICS incorporates non-recurring investment costs such as repair parts procurement, technical data and support equipment.

B. PURPOSE OF PROCUREMENT: ICS is designed to provide a bridge from an acquisition process to an Air Force self-sustaining program. It allows time for support equipment development/delivery, training and training equipment development/delivery, technical data development/validation and spares identification/delivery.

C. APPLICATION: Common support equipment ICS funding supports the B-1B, B-52, C-5, C-130, E-3, F-16, F-15, and KC-135 aircraft.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	213

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

B. WEAPON MODEL/SERIES/ POPULAR NAME

INTERIM CONTRACTOR SUPPORT

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION

N/A

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
1. B-1B Intermediate ATE				2,000			490			498			300
2. AN/USM-603 Elec Test Sta				1,300			498			300			57
3. Engine Test/Trim Auto Sys				653			300			57			300
4. Radio Freq Trans Line Tester				1,200			57			300			495
5. Mod Inter Dep Auto Test Sta				954			300			495			150
6. Malf Anlys Data and Rec Sys				1,500			390			150			480
7. Digital Data Control Module							150			480			1,782
8. AN/ALM-195A							199			2,280			
9. AN/USM-639													
10. Transmitter Test Set													
11. Benchtop Reconf Auto Tester													
TOTAL				7,607			2,384			2,280			1,782

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
			214

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE Items Less Than $2,000,000				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (In Mil)	$52.711	$30.703	$35.357	$38.310	$39.500	$40.700	$41.900	$43.200

A. DESCRIPTION/FUNCTION: Items less than $2,000,000 procure replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.

B. TYPE ITEM: All items are Code A.

A listing of items less than $2,000,000 follows.

	P-1 SHOPP LIST ITEM NO.	PAGE NO.	
			215

FEBRUARY 1995

FY96/97 PRESIDENT'S BUDGET
BP 12 COMMON SUPPORT EQUIPMENT (CSE)
ITEMS LESS THAN $2M (DOLLARS IN MILLIONS)

		FY96		FY97	
NOUN	NSN	QTY	AMOUNT	QTY	AMOUNT
PORTABLE X-RAY MACHINE	6635-01-142-9109	38	.843		
ELECTRONIC TEST SET	6625-01-247-6378	5	1.407		
POWER SUPPLY/FREQUENCY CONVERTER	6130-01-287-1621	70	1.963	69	1.992
POWER SUPPLY/FREQUENCY CONVERTER	6130-01-241-6852			20	1.699
TOOL KIT SWAGING	5180-01-374-8266	18	.978	5	.280
REMOTE TRIMMER	4920-01-2465575	16	1.552		
ENGINE TEST STAND	4920-00-438-3814	2	1.200		
DIGITAL DATA CONTROL MONITOR	4920-01-334-7074DQ	7	1.093		
CABIN LEAKAGE TESTER	4920-00-431-9397	49	1.046		
NOISE SUPPRESSOR, DEMOUNTABLE	4920-01-070-2721	1	1.714		
1.5 TON LOX/LIN PLANT	3655-00-722-3901			4	1.767
ROTARY VACUUM PUMP	4310-00-898-9959	85	.603	85	.621
STAIRCASE TRUCK	1730-01-374-2604	3	.252	23	1.986
ADVANCED DIAGNOSITCS SYSTEM	NSL	4	1.500	5	1.875
B-2 SUPPORT EQUIPMENT			.538		.471
SUBTOTAL			14.689		10.691
ITEMS LESS THAN $500,000					
FEDERAL STOCK GROUP (FSG)					
FSG 1730 (ACFT GROUND SERVICE EQUIP)			1.282		1.845
FSG 4310 (PUMPS AND COMPRESSORS)			1.499		2.817
FSG 4920 (ACFT MAINTENANCE SHOP SE)			6.489		8.831
FSG 6115 (GENERATORS)			1.216		1.649
FSG 6625 (ELECTRONIC TEST EQUIP)			3.015		4.620
FSG 6635 (PHYSICAL PROP TEST EQUIP)			3.067		3.710
OTHER			4.100		4.147
SUBTOTAL			20.668		27.619
TOTAL			35.357		38.310

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($ in Millions) (TY$ in Millions)								DATE 6-Feb-95	
Appropriation/P-1 Line Item 3010/BP12		Weapon System(If Applicable) AMC UPGRADE			Equipment Nomenclature			PE 41897F, 54119F	
Fin Plan	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
Quantity	0	0	0	0	0	0	0		0
Proc	15.442	39.977	35.719	14.003	46.59	27.145	26.414	28.590	233.880
RDT&E									
O&S	2.000	6.000	0	0	0	0	0		8.000

TRAINING SYSTEM DESCRIPTION

The AMC Upgrade program will reduce aircraft training flights by upgrading training devices to allow FAA Level C equivalent training. Pilots would then be qualified from ground training, significantly reducing aircraft hours. Systems involved are the C-5, C-141, KC-135, and KC-10. Upgrades include the C-5 Visual Systems and Database Generation Set; C-141 sound/buffet capability; KC-135 to provide six degree motion, computer upgrade, day/night/dusk wide field of view visual system; and KC-10 Boom Operator Trainer computation system upgrade, the Cockpit Procedure Trainer receives a new control loading system and a visual system, and an upgrade to the main simulator visual system to a state of the art day/night/dusk wide field of view visual system.

	P-1 Shopping List Item No. 59	Page No. 1 of 2	EXHIBIT P-43 Simulator & Training Device Justification

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (TY$ in Millions) | DATE: 6-Feb-95

Training Device by Type: AMC UPGRADE
Part of BP-12

Weapon System (If Applicable)
C-5, C-141, KC-135, and KC-10.

Description/Justification ($ in Millions)
Pilot & maintenance training equipment

The AMC Upgrade program will reduce aircraft training flights by upgrading training devices to allow FAA Level C equivalent training. Pilots would then be qualified from ground training, significantly reducing aircraft hours.

Financial Plan	FY94		FY95		FY96		FY97		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)		15.442		18.077		12.319		8.603		65.639		120.08
ECO's		0		0		0		0		0		0
Nonrecurring		0		0		0		0		0		0
GFE		0		0		0		0		0		0
Other (Visual System)		0		21.9		23.4		5.4		63.1		113.8
Total Hardware Costs		15.442		39.977		35.719		14.003		128.739		233.88
SUPPORT COSTS												
Special SE		0		0		0		0		0		0
Integrated Logistics Supt.		0		0		0		0		0		0
Other(Specify)		0		0		0		0		0		0
Total Support Costs		0		0		0		0		0		0
Software/Courseware		0		0		0		0		0		0
TOTAL COSTS		15.442		39.977		35.719		14.003		128.739		233.88

P-1 Shopping List Item No. 59

Page No. 2 of 2

EXHIBIT P-43

P-43AA.XLS

P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET

DATE February 6, 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

P-1 ITEM NOMENCLATURE
F-15E

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	0		0	0	0
COST (MILLIONS)	0	0	14.0	11.6	8.7	8.7	8.8	8.9	0	60.7
INITIAL SPARES	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0
TOTAL (MILLIONS)	0	0	14.0	11.6	8.7	8.7	8.8	8.9	0	60.7
UNIT COST (MILLIONS)	0	0	0	0	0	0	0	0	0	0

MISSION AND DESCRIPTION: The F-15 tactical fighter is designed for the counter air mission. Air-to-air tasks include combat air continental air defense, escort and fighter sweeps in or out of the enemy's ground-controlled intercept. environment. The F-15 is a twin engine single crew fixed swept aircraft designed for high maneuverability in air-to-air combat. Two 24,000 lb. thrust, Pratt & Whitney F-100 turbofan engines enable the F-15 to reach a dash speed of mach 2.5.

The F-15E (Dual Rate Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting and Infrared for night (Lantirn) capability automatic terrain following/terrain avoidance, and other improvements necessary to fulfill the deep penetration and night/under-the-weather air-to-air surface attack mission.

FY(BY1)96 PROGRAM JUSTIFICATION: Interim Contractor Support is required to provide repair for critical air vehicle, engine, and ground support equipment assets from the time the equipment is fielded until the assets are organically supportable. SPO contractor support is required to support program management and administration and to improve the effectiveness of various management processes and procedures, including hazardous material management.

FY(BY2)97 PROGRAM JUSTIFICATION: Interim Contractor Support and SPO contractor support is continuing as described in FY96 justification.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) (Dollars in Millions)	A. Appropriation/Budget Activity Title/No. 3010/10328A AF/BA07 Post Prod		B. Weapon Model/Series/ Popular Name F-15E/EAGLE			C. Manufacturer Name Plant City/State location McDonnell Douglas Corp. St. Louis, MO		D. Date Month/Year February 6, 1995	
Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	QTY: 12 Tot. Cost	FY95 Unit Cost	Qty: 0 Tot. Cost	FY96 Unit Cost	Qty: 0 Tot. Cost	FY97 Unit Cost	Qty: 0 Tot. Cost
Airframes/CFE									
ENGINE/ACCESSORIES									
(Eng Model: Falcon 229)						0	0.8	0	0.3
AVIONICS									
A. CFE									
B. GFE									
ARMAMENT									
OTHER GFE									
ECO (All Flyaway Components)									
NON-RECURRING COSTS									
(Tooling)									
(Other)									
OTHER COSTS									
Subtotal FLYAWAY COST						0	0.8	0	0.3
AIRFRAME PGSE									
ENGINE PGSE									
AVIONICS PGSE									
PECULIAR TRAINING EQUIPMENT									
PUBLICATIONS/TECH. DATA									
ECO (All Support Items)							13.2		11.3
OTHER (POST PROD SUPPORT)						0	13.2	0	11.3
SUBTOTAL SUPPORT COST						0	14.0	0	11.6
GROSS P-1 END COST									
NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)							14.0		11.6
Plus Current Year ADV, PROC.									
Other Non P-1 Weapon System Costs									
Initial Spares							79.5		143.0
Mods									
TOTAL							93.5		154.6

P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET

DATE February 6, 1995

APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

P-1 ITEM NOMENCLATURE
F-16 Production Support

	PRIOR YEARS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	0	0		0	0	0
COST (MILLIONS)	0	0	0	194.7	84.3	19.9	29.7	16.9	14.0	0	359.5
INITIAL SPARES	0	0	0	6.5	6.9	20.9	16.0	16.4	16.9	0	83.6
TOTAL (MILLIONS)	0	0	0	201.2	91.2	40.8	45.7	33.3	30.9	0	443.1
UNIT COST (MILLIONS)	0	0	0	0	0	0	0	0	0	0	0

MISSION AND DESCRIPTION: The F-16 Multimission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for the 0.8 Mach speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of a 20mm cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordinance. The F-16 will replace the F-4s in the active inventory as well as modernize the reserve forces. Specific subsystems will become organically supportable during the FYDP period.

FY96 PROGRAM JUSTIFICATION: This approproation is for the initial contract award for prime contractor post production support of the F-16 weapon system, production line close down costs for the F-16 USAF program, program office mission support, and the procurement of deferred peculiar ground support equipment, weapon system training devices, and technical order support.

FY97 PROGRAM JUSTIFICATION: This appropriation us for the continuation of prime contract post production support, program office mission support, and the procurement of deferred peculiar ground support equipment, weapon system training devices, and technical order support.

FY96 and FY97 includes funding for Program Management Administrative (PMA) requirements for technical, engineering, and acquisition support to the F-16 Production Program.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) (Dollars in Thousands)	A. Appropriation/Budget Activity Title/No. Aircraft Proc AF/BA07 Post Prod		B. Weapon Model/Series/ Popular Name F-16 Fighter Falcon			C. Manufacturer Name Plant City/State location Lockheed, Ft Worth Co. Ft. Worth, TX		D. Date Month/Year February 6, 1995	
Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	Qty: 0 Tot. Cost	FY95 Unit Cost	Qty: 0 Tot. Cost	FY96 Unit Cost	Qty: 0 Tot. Cost	FY97 Unit Cost	Qty: 0 Tot. Cost
Airframes/CFE									
ENGINE/ACCESSORIES (1 per A/C)									
(Eng Model: F110)									
AVIONICS									
A. CFE									
B. GFE									
ARMAMENT									
OTHER GFE									
ECO (All Flyaway Components)									
NON-RECURRING COSTS									
(Tooling)							(0)		(0)
(Other)							40,222		9,534
OTHER COSTS							56,308		58,882
Subtotal FLYAWAY COST							96,530		68,416
AIRFRAME PGSE							44,095		
ENGINE PGSE							4,866		
AVIONICS PGSE							32,248		3,277
PECULIAR TRAINING EQUIPMENT							7,051		4,966
PUBLICATIONS/TECH. DATA							8,342		6,852
Program Management Admin (PMA)							1,540		800
OTHER (ICS)									
Subtotal SUPPORT COST							98,142		15,895
GROSS P-1 END COST							194,672		84,311
LESS: PRIOR YR ADV. PROC (Breakout by Prior FY offunding)							0		0
NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)							194,672		84,311
Plus Current Year ADV, PROC.									
Other Non P-1 Weapon System Costs									
Initial Spares							6,452		6,895
Mods							118,606		143,107
TOTAL			0		0		319,730		234,313

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($000)								DATE February 6, 1995	
Appropriation/P-1 Line Item 3010		Weapon System(If Applicable) F-16 UTD			Equipment Nomenclature				PE 27133F
Fin Plan	Prior Years 92-94	Current FY	BY96	BY97	BY2+1	BY2+2	BY2+3	BY2+4	Total
Quantity	8	0	6	0	0	0	0	0	14
Proc	20.42 *	0.00	4.87	4.97	4.57	5.77	0.00	0.00	40.60
RDT&E									
O&S									

TRAINING SYSTEM DESCRIPTION

The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level. This contract expires 30 Sep 98.

NOTE: FY95/Prior Years are funded in BP10, BA 01. FY96 and subsequent years are funded in BP13, BA07.

	P-1 Shopping List Item No.	Page No. 1 of 3	EXHIBIT P-43 Simulator & Training Device Justification

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) ($000)

DATE: February 6, 1995

Appropriation/ P-1 Line Item	Weapon System (If Applicable)	IOC Date	Equipment Nomenclature	PE
3010	F-16 UTD	N/A		27133F

Training Device By Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years 92-94		Current Year 95		Budget Year1		Budget Year2	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
BLOCK 40L	POPE NC	18-Aug-95	19-Aug-95	TBD	8	20.42						
BLOCK 52	MNTN ID	15-Dec-95	15-Jan-96	TBD								
BLOCK 25	LUKE AZ	29-Mar-96	29-Apr-96	TBD								
BLOCK 30	MCCON KS	03-Oct-96	03-Nov-96	TBD								
BLOCK 30	SHAW SC	15-Oct-96	15-Nov-96	TBD								
BLOCK 30	LUKE AZ	01-Nov-96	02-Dec-96	TBD								
BLOCK 40	LUKE AZ	01-Feb-97	04-Mar-97	TBD								
BLOCK 40	MOODY GA	01-Mar-97	01-Apr-97	TBD								
							0	0				
BLOCK 40	HILL UT	01-Oct-97	01-Nov-97	TBD					6	4.87		
BLOCK 40	SHAW SC	15-Oct-97	15-Nov-97	TBD								
BLOCK 40	POPE SC	01-Nov-97	02-Dec-97	TBD								
BLOCK 40	RAMSTEIN	15-Nov-97	16-Dec-97	TBD								
BLOCK 40	LUKE AZ	01-Feb-98	04-Mar-98	TBD								
BLOCK 30	RAMSTEIN	15-Feb-98	18-Mar-98	TBD								
											0	4.97

P-1 Shopping List	Item No.	Page No. 2 of 3	EXHIBIT P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) ($000)

DATE: February 6, 1995

Training Device by Type
PE: 27133F (3010) (TY)

Weapon System (If Applicable)
F-16 UTD

Description/Justification
The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level.

	Prior Years 92-94		Current Year 95		Budget Year 1		Budget Year 2		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	8	4.00	0	0	6	4.32	0		0		14	8.32
ECO's						0.55		0.4		0.78		1.73
Nonrecurring		4.50						1.96				6.46
GFE										3.89		4.58
P3I		0.69										
Total Hardware Costs		9.19		0		4.87		2.36		4.67		21.09
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.		1.51										1.51
Other(Specify)												
Total Support Costs		1.51		0		0		0		0		1.51
Software/Courseware		9.72						2.61		5.67		18.00
TOTAL COSTS	8	20.42	0	0	6	4.87	0	4.97	0	10.34	14	40.6

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EXHIBIT P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($000)									DATE February 6, 1995
Appropriation/P-1 Line Item 3010		Weapon System(If Applicable) F-16 WST			Equipment Nomenclature Weapon System Trainer (WST)				PE 27133F
Fin Plan	Prior Years	Current FY	BY96	BY97	BY2+1	BY2+2	BY2+3	BY2+4	Total
Quantity	0	0	0	0	0	0	0	0	0
Proc	583.14	4.09	2.19	0	0	1.2	1.19	1.19	593.0
RDT&E	0	0	3.38	3.38	6.56	4.18	2.29	2.49	22.3
O&S	0	0	0	0	0	0	0	0	0

TRAINING SYSTEM DESCRIPTION

The F-16 WST provides initial and continuous training for all F-16 aircrew members , both active and reserve. There are USAF F-16 WST units throughout the world which require software changes and annual updates. These updates include: LANTIRN, Operational Flight Trainer (OFT) updates, and Improved Electronic Warfare Training Device (IEWTD) updates. There are no plans to procure additional WSTs; all of our updates involve software changes only to comply with aircraft modifications. The F-16 WST Program Manager expects that Unit Training Devices (UTDs) will replace the WST in FY 2000. For this reason, WST requirements end in FY 2000.

Note: For 3010, FY95/Prior Years are funded in BP10, BA 01. FY96 and subsequent years are funded in BP13, BA 07.

	P-1 Shopping List Item No.	Page No. 1 of 2	EXHIBIT P-43 Simulator & Training Device Justification

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) ($000)

DATE: February 6, 1995

Training Device by Type
F-16 Weapon System Trainer

Weapon System (If Applicable)
F-16 WST

Description/Justification
The F-16 WST provides initial and continuous training for all F-16 aircrew members , both active and reserve. There are USAF F-16 WST units throughout the world which require software changes and annual updates. The F-16 WST Program Manager expects that Unit Training Devices (UTDs) will replace the WST in FY 2000.

Financial Plan	Prior Years		Current Year		Budget Year 1		Budget Year 2		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS												
Device (Hardware)	22	134.34										134.34
ECO's												
Nonrecurring												
GFE												
Other(Specify)												
Total Hardware Costs		134.34		0		0		0		0		134.34
SUPPORT COSTS												
Special SE												
Integrated Logistics Supt.												
Other(Specify)												
Total Support Costs		0		0		0		0		0		0
Software/Courseware		448.80		4.09		2.19		0		3.58		458.66
TOTAL COSTS		583.14		4.09		2.19		0		3.58		593.00

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EXHIBIT P-43

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET	Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	**P-1 ITEM NOMENCLATURE** INDUSTRIAL PREPAREDNESS

	FY 1994	FY1995	FY1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (IN millions)	25.084	51.131	48.297	34.348	33.333	34.211	35.239	36.299

Mission and Description:

1. Air Force industrial activities combine the resources of several appropriations to create a comprehensive program. The goal is to ensure that the defense industry is capable of supplying reliable, cost-effective systems to operational commanders. Major elements in the program include management of government-owned industrial plants, the Defense Production Act Program, and support for industrial base assessment (IBA) activities. IBA activities characterize the critical sectors and industries within the industrial base and provide information on industrial capability issues for consideration during key budget allocation, weapon acquisition, and logistic support decision processes. Funds in this appropriation are to support the aircraft procurement segment of Air Force activities.

2. Although the elements of cost are broken down in greater detail, two basic activities are funded in this appropriation: Industrial Plants and Industrial Base Assessment.

A.B.C.D.F. and H. Air Force Industrial Plants cost elements. Consists of repair and expansion, major rehabilitation, environmental compliance, equipment movement and energy conservation at DoD-owned, contractor-operated industrial facilities. These plants are the backbone of DoD weapon system assembly and maintenance for the B-2, F-15, F-16, C-130, C-5B, and F-117 and future F-22.

E. Industrial Base Assessment cost element. Provides identification and analysis of problems, essential and endangered capabilities involving industrial base sectors (aircraft) to assess the capability of the industrial base to support AF requirements. Collection and maintenance of industrial (aircraft) data supports affordable acquisition and sustainability requirements.

UNCLASSIFIED

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PROGRAM COST BREAKDOWN	Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	P-1 ITEM NOMENCLATURE INDUSTRIAL PREPAREDNESS

(Total Cost in Millions of Dollars)

ELEMENT OF COST	IDENT CODE	FY 1994		FY 1995		FY 1996		FY 1997	
			TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
A. EXPANSIONS	1000								
B. PACKING, CRATING, & HANDLING	2000								
C. CAPITAL TYPE REHABILITATION	3000		3.043		8.429		8.839		6.305
D. REPLACEMENT & MODERNIZATION	4000				8.378		14.058		3.848
E. INDUSTRIAL BASE ASSESSMENT	6000		4.012		4.324		5.596		5.689
F. ENVIRONMENTAL PROTECTION	7000		18.029		30.000		19.804		18.506
G. INDUSTRIAL MODERNIZATION	8000								
H. ENERGY CONSERVATION	9000								
TOTALS			25.084		51.131		48.297		34.348

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET	Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	**P-1 ITEM NOMENCLATURE** BOMBER INDUSTRIAL BASE SUPPORT

	FY94/PRIOR	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	TC	TOTAL
QUANTITY	0	0	0	0	0	0	0	0	0	0
COST (TY$ IN Millions)	0.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0

Mission and Description:

This program is designed to identify and preserve critical industrial capabilities necessary to support heavy bomber production. The program shall utilize the $125M appropriated in FY 1995 to sustain B-2 production base capability for at least one more year while the department conducts an analysis to determine the proper long range, heavy bomber force structure.

FY 1995 Program Justification:

The primary efforts of the FY 1995 program are in sustaining the supplier base, re-establishing suppliers of production parts, production work orders, re-familiarization and tool restoration. These funds will also support bomber force structure and bomber industrial base analytical studies.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES				BUDGET PROGRAM 1700 OVERVIEW				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY								
COST (In Mil)	$17.906	$18.445	$25.479	$31.451	$32.411	$33.546	$34.555	$35.592

A. DESCRIPTION/FUNCTION: This program provides initial/replacement War Consumables, and include commodities such as aircraft Tanks, Racks, Adapters, Pylons (TRAP) and Missile Launchers. These items (used on more than one weapon system) are used to support War Reserve Materiel (WRM) requirements or fleet inventory objectives.

B. PURPOSE OF PROCUREMENT: Items are being procured to fill deficits in WRM levels or fleet inventory objectives.

C. APPLICATION: Air Force maintained aircraft weapons systems.

D. REQUIREMENTS: Justifications are for fiscal years 1996 and 1997. Items required include launchers, adapters and inboard pylons.

E. SUMMARY OF FY96 - 97 PROCUREMENTS:

	ITEM	COST($In Mil) FY96	QTY	FY97	QTY
1)	LAU-128/129 Missile Rail Launcher	16.362	909	9.247	508
2)	Adapter, ADU-552/A	8.910	891	-	-
3)	Inboard Pylon, SUU-59C/A	-	-	22.204	177
4)	Items Less Than $2M	0.207	8	-	-
	TOTAL	**25.479**		**31.451**	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

P-1 ITEM NOMENCLATURE
LAU-118(v)4/A W/ACFT LAUNCHER INTERFACE COMPUTER (ALIC)

	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	46	25	0	0	0	0	0	0
COST (In Mil)	$3.806	$2.357	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000

A. (U) Functional/Technical Description: The LAU-118(v)4/A ALIC Launcher is applicable to the F-16 aircraft. It is attached to the aft section of the LAU-118(v)4/A HARM launcher and provides an interface to the AGM-88 (HARM) anti-radiation missile. This interface is provided through the F-16C/D AGM-65 (Maverick) missile system and supplies missile targeting/tracking data and launch signals to on-board AGM-88 HARM missiles for defense suppression capability.

B. (U) Deficits/General Operational Requirements Satisfied by the Item Being Procured: The launchers are intended to replace those that are jettisoned in wartime. Normal peacetime stocks are insufficient to sustain projected wartime sortie rates. Procurement through FY95 procures WRM deficits for this item.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES				P-1 ITEM NOMENCLATURE HH-53 CRASHWORTHY 650 GALLON TANKS				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	0	7	0	0	0	0	0	0
COST (In Mil)	$0.000	$0.864	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000

A. (U) Functional/Technical Description: The 650 Gallon (Crashworthy) External Fuel Tank is applicable to the HH-53 helicopter and is attached to the aircraft with a pylon that is released during flight if necessary. There are two tanks per helicopter; both are jettisoned at the same time in case of an emergency.

B. (U) Deficits/General Operational Requirements Satisfied by the Item Being Procured: The crashworthy tanks have replaced older non-crashworthy versions; they are intended to replace those jettisoned in wartime. Normal peacetime operating stocks are insufficient to sustain projected wartime sortie rates. Procurement through FY95 fills all WRM deficits for this item.

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	233

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES				P-1 ITEM NOMENCLATURE LAU-128/129 MISSILE RAIL LAUNCHER				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	577	623	909	508	0	0	0	0
COST (In Mil)	$14.100	$15.224	$16.362	$9.247	$0.000	$0.000	$0.000	$0.000

A. Functional/Technical Description: The LAU-128/129's are Missile Rail Launchers which replace AIM-9 Launchers on F-15 and F-16 aircraft. The LAU-128/129 Launchers provide dual carriage and launch requirements for AIM-9 (Sidewinder) and AIM-120 (Advanced Medium Range Air-to-Air Missile {AMRAAM}). The LAU-128 supports the F-15 and the LAU-129 supports the F-16.

B.

a. Deficits/General Operational Requirements Satisfied by the Item Procured: The LAU-128 Launcher program includes requirements for aircraft delivered with only AIM-9 Launchers (Pre Multi-Stage Improvement Program {MSIP}) and WRM requirements. A total of 4,448 LAU-128's are required. At the end of the FY93 funded delivery period (FDP) 3,031 assets will be available leaving a shortfall of 1,417. Requested funding in the FY96/97 President's Budget will procure the remaining requirements.

b. Procurement through FY95 funded delivery period covers all deficits for LAU-129's.

C. Lack of available WRM stocks will prevent sustainment of projected wartime sortie rates for F-15's, impeding its wartime mission.

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Costs In Thousands of Dollars)

D. DATE FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.
APAF/WAR CONSUMABLES

B. WEAPON MODEL/SERIES/ POPULAR NAME
Item Name: LAU-128/129 MISSILE RAIL LAUNCHER

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION
1. Marvin Engineering Co., Inglewood, CA.
2. Hughes Missile Electronics Inc., Eufala, AL.

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
1. LAU-128 (F-15)	A	0	$ 0	$ 0	0	$ 0	$ 0	909	$ 18.000	$ 16,362	508	$ 18.200	$ 9,247
2. LAU-129 (F-16)	A	577	24.437	14,100	623	24.437	15,224	0	0	0	0	0	0
TOTAL		**577**		**14,100**	**623**		**15,224**	**909**		**16,362**	**508**	**0**	**9,247**

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis	235

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Costs in Thousands of Dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

C. P-1 ITEM NOMENCLATURE
LAU-128/129 MISSILE RAIL LAUNCHER

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
							$			
LAU-128 (F-15)										
FY 1993 Lot VII	Marvin Eng. Co. CA	C/FP	AFMC/ASC	Jun 94	Feb 96	318	19.0			
FY 1996 Lot VIII	Marvin Eng. Co. CA	Option	AFMC/ASC	Nov 95	Dec 96	909	18.0	Yes	No	
FY 1997 Lot IX	Marvin Eng. Co. CA	Option	AFMC/ASC	Nov 96	Dec 97	508	18.2	Yes	No	
LAU-129 (F-16)										
FY 1994 Lot VI-A (1)	Hughes Inc. AL	SS/FP	AFMC/ASC	Dec 94	Dec 95	577	24.4	Yes	No	
FY 1995 Lot VI-A (1)	Hughes Inc. AL	SS/FP	AFMC/ASC	Dec 94	Dec 95	623	24.4	Yes	No	

D. REMARKS
1 Reprocurement Lot; Due to Previous Contractor Filing for Chpt 11 Bankruptcy in Apr 94; Contract Awarded Dec 94

P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE | P-1 ITEM NOMENCLATURE: **LAU-128/129 MISSILE RAIL LAUNCHER** | DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95			CALENDAR YEAR 95												FISCAL YEAR 96			CALENDAR YEAR 96												FISCAL YEAR 97			CALENDAR YEAR 97									LATER
					94 OCT	94 NOV	94 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
LAU-128																																									
FY1993 LOT VII	AF	318	0	318	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	36	36	37	37	36	36	36	34	9											0
FY1994 LOT VII	F22	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	17											0
FY1995 LOT VIII	F22	27	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	3	6
FY1996 LOT VIII	AF	909	0	909	0	0	0	0	0	0	0	0	0	0	0	0	0**		0	0	0	0	0	0	0	0	0	0	0	0	75	75	75	76	76	76	76	76	76	76	152
FY1997 LOT IX	AF	508	0	508	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0**		0	0	0	0	0	0	0	0	0	0	508
MARVIN ENGINEERING CO																																									
LAU-129																																									
FY1994 LOT VII	FMS	747	0	747	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	46	66	76	76	75	65	64	64	66	69	61											0
FY1995 LOT VIII	FMS	378	0	378	0	0	0	0	0	0	0	0	0	0	0	0	0**		0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	32	32	32	32	64
FY1996 LOT IX	FMS	410	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0**		0	0	0	0	0	0	0	0	0	0	410
MARVIN ENGINEERING CO																																									
FY94/95 LOT VI-A	AF	1200	0	1200	0	0	C*	0	0	0	0	0	0	0	0	0	0	0	104	62	14	77	82	77	132	137	136	106	136	137											0
FY1995 LOT VI-A	FMS	185	0	185	0	0	C*	0	0	0	0	0	0	0	0	0	0	0	0	48	66	0	0	42	0	0	0	29	0	0											0
HUGHES MISSILE SYS, CO.																																									
TOTAL		4700	0	4700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	156	167	189	194	231	235	237	236	237	239	224	108	108	108	109	109	109	110	110	110	111	1140
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PROD RATES MIN		PROD RATES MAX	REA-CH D+	PROCUREMENT LEAD TIME	ADMIN LEAD TIME PR 1 OCT	ADMIN LEAD TIME AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
Marvin Eng Co., Inglewood, CA	88	140	176			6	0	18mo	14mo
Hughes Missile Sys, Tuscon, AZ	88	140	176		REORDER				

* Sole Source Contract Award for Reprocurement Lot

** Contract Option Award Date

P-1 SHOPPING LIST
ITEM NO. 64

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: LAU-128/129 MISSILE RAIL LAUNCHER											
	FISCAL YEAR 98											
				CALENDAR YEAR 98								
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97 OCT	97 NOV	97 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
LAU-128												
FY1995 LOT VIII	3	3										
FY1996 LOT VIII	76	76										
FY 1997 LOT IX	0	0	42	42	42	42	42	42	42	42	43	43
LAU-129												
FY1995 LOT VIII	32	32										
FY1996 LOT IX	0	0	34	34	34	34	34	34	34	34	34	34
TOTAL	111	111	76	76	76	76	76	76	76	76	77	77
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

DATE: SEPTEMBER 1994	FISCAL YEAR 99											
				CALENDAR YEAR 99								
ITEM/MANUFACTURER/ PROCUREMENT YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
LAU-128												
FY1995 LOT VIII												
FY1996 LOT VIII												
FY 1997 LOT IX	43	43										
LAU-129												
FY1995 LOT VIII												
FY1996 LOT IX	35	35										
TOTAL	78	78	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

	FISCAL YEAR 00												
				CALENDAR YEAR 00									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
LAU-128													0
FY1995 LOT VIII													0
FY1996 LOT VIII													0
FY 1997 LOT IX													
LAU-129													0
FY1995 LOT VIII													0
FY1996 LOT IX													
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES				P-1 ITEM NOMENCLATURE ADAPTER, ADU-552/A				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	0	0	891	0	0	0	0	0
COST (In Mil)	$0.000	$0.000	$8.910	$0.000	$0.000	$0.000	$0.000	$0.000

A. Functional/Technical Description: The Guided Missile Launcher Adapter, ADU-552/A, is used to adapt the LAU-128 missile launcher to the inboard pylon on F-15A-D Multi-Stage Improvement Program (MSIP) modified and F-15E aircraft.

B. Deficits/General Operational Requirements Satisfied by the Item Procured: The ADU-552/A Adapter's are intended to replace those jettisoned in wartime. Currently, there are 0 WRM assets are on-hand. Funding for 891 is requested in the FY96/97 President's Budget.

C. Impacts: Lack of available WRM stocks prevents sustainment of projected wartime sortie rates for F-15's configured for LAU-128 Missile Launchers, impeding F-15 wartime mission.

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	239

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Costs in Thousands of Dollars)

D. DATE FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.
APAF/WAR CONSUMABLES

B. WEAPON MODEL/SERIES/ POPULAR NAME
Item Name: ADAPTER, ADU-552/A

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION
UNKNOWN

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
Adapter, ADU-552/A	A	0	$ 0	$ 0	0	$ 0	$ 0	891	$ 10.000	$ 0	0	$ 0	$ 8,910
TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**891**	**0**	**0**	**0**		**8,910**

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Costs in Thousands of Dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

C. P-1 ITEM NOMENCLATURE
ADAPTER, ADU-552/A

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1992	MCDONNELL DOUGLAS ACFT, ST LOUIS, MO	C/FP	AFMC/WR-ALC	SEP 92	OCT 93	190 *	$ 8.147			
FY 1996	UNKNOWN	C/FP	AFMC/WR-ALC	MAY 96	JUN 97	891	10.000	YES	NO	

D. REMARKS: (*) 190 each procured in FY92 only for Alternate Mission Equipment (AME) requirements

P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: ADAPTER, ADU-552/A

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95 94 OCT	94 NOV	94 DEC	CALENDAR YEAR 95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 96 JAN	FEB	MAR	APR	CALENDAR YEAR 96 MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 97 JAN	FEB	MAR	APR	CALENDAR YEAR 97 MAY	JUN	JUL	AUG	SEP	LATER
FY 1996	AF	891	0	891																				C													91	100	100	100	500
TOTAL		891	0	891	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	100	100	100	500
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION: UNKNOWN	PROD RATES MIN	MAX	REA-CH D+	PROCUREMENT LEAD TIME	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
	100	200				7	13	20
				REORDER				

P-1 SHOPPING LIST
ITEM NO. 64

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: **ADAPTER, ADU-552/A**																					DATE: FEBRUARY 1995															
	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												Later
				CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97 OCT	97 NOV	97 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	0
FY 1996	100	100	100	100	100																																0
TOTAL	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

P-1 SHOPP LIST
ITEM NO. 64

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES				P-1 ITEM NOMENCLATURE INBOARD PYLON, SUU-59C/A				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	0	0	0	177	0	0	0	0
COST (In Mil)	$0.000	$0.000	$0.000	$22.204	$0.000	$0.000	$0.000	$0.000

A. Functional/Technical Description: The Inboard Pylon SUU-59C/A is applicable to the F-15E aircraft. The pylon functions as connector between the aircraft weapon stores of 2 each AIM-9 or AIM-120 missiles, 600 gallon fuel tanks, and nuclear armament. In a wartime scenario, this pylon provides the aircraft with carriage and jettison capabilities of external fuel tank, and air-to-air/air-to-ground armament.

B. Deficits/General Operational Requirements Satisfied by the Item Procured: The SUU-59C/A Inboard Pylons are intended to replace those jettisoned in wartime. At the end of Apr 95, 105 assets will be available leaving a shortfall of 177. Requested funding in the FY96/97 President's Budget will procure remaining requirements.

C. Impacts: Lack of available WRM stocks will prevent sustainment of projected wartime sortie rates for F-15E's and prevent expenditure of pylons when necessary, ultimately endangering pilot life and impeding F-15E wartime mission.

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	244

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Costs in Thousands of Dollars)

D. DATE FEBRUARY 1995

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO. APAF/WAR CONSUMABLES

B. WEAPON MODEL/SERIES/ POPULAR NAME

Item Name: INBOARD PYLON, SUU-59C/A

C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION UNKNOWN

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SUU-59C/A, Inboard Pylon	A	0	$ 0	$ 0	0	$ 0	$ 0	0	$ 0	$ 0	177	$ 125.446	$ 22,204
TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**177**		**22,204**

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Costs In Thousands of Dollars)

A. DATE FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

C. P-1 ITEM NOMENCLATURE
INBOARD PYLON, SUU-59C/A

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1988	MCDONNELL DOUGLAS ACFT, ST LOUIS, MO	C/FP	AFLC/WR-ALC	NOV 87	SEP 89	5	$ 83.000			
FY 1997	UNKNOWN	C/FP	AFMC/WR-ALC	MAY 97	JUL 98	177	125.446	YES	NO	

D. REMARKS

P-1 SHOPP LIST ITEM NO. 64

PAGE NO.

Exhibit P-5a Procurement History and Planning

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: **INBOARD PYLON, SUU-59C/A**

DATE: FEBRUARY 1995

ITEM/MFG PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR 1-Oct	BAL DUE 1-Oct	FISCAL YEAR 95 94	94	94	CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 96 CALENDAR YEAR 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 97 CALENDAR YEAR 97 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
FY 1994 (1)	AF	60	0	60	10	10	10	10	10	10																													C					149
FY 1997	AF	177	0	177																																								
TOTAL		237	0	237	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

MANUFACTURER'S NAME AND LOCATION UNKNOWN	PROD RATES MIN	MAX	REA-CH D+	PROCUREMENT LEAD TIME	ADMIN LEAD TIME PR 1 OCT	AFT 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
	10	20				7	14	21
				REORDER				

(1) 60 ASSETS IN MODIFICATION

P-1 SHOPPING LIST
ITEM NO. 64

FY96/97 PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE: INBOARD PYLON, SUU-59C/A																									DATE: FEBRUARY 1995											
	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												Later
				CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	97 OCT	97 NOV	97 DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY 1994										14	14	14	15	15	15	15	15	15	15	15	15																0
FY 1997																																					0
TOTAL	0	0	0	0	0	0	0	0	0	14	14	14	15	15	15	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES				P-1 ITEM NOMENCLATURE ITEMS LESS THAN $2M: ADAPTER, ADU-578				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	0	0	8	0	0	0	0	0
COST (In Mil)	$0.000	$0.000	$0.207	$0.000	$0.000	$0.000	$0.000	$0.000

A. (U) Category consists of ADU-578 Adapters. Funding in FY96 covers WRM requirements necessary to sustain projected wartime sortie rates.

B. (U) Specific FY96 requirements are listed below:

ITEM	QTY	COST	TOT COST
ADU-578 Adapter	8	$25,900.00	$ 207,200.00
TOTAL	**8**		**$ 207,200.00**

	P-1 SHOPP LIST ITEM NO. 64	PAGE NO.	

BUDGET ITEM JUSTIFICATION SHEET	DATE Sep-94
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, AF/ BA 07 OTHER PRODUCTION CHARGES	P-1 NOMENCLATURE OTHER CHARGES

	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+4) 01
QUANTITY	0	0	0	0	0	0	0	0
COST (in thousands)	607,195	234,870	157,096	314,117	298,020	273,411	269,434	360,066

These programs provide for items which (1) are not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charges to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contains certain classified programs.

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES
(Dollars in Thousands)

BP1900 SUMMARY

	FY 94	FY 95	FY 96	FY97
Classified Programs	270,339	50,051	30,277	130,781
ECM Support	14,315	9,687	10,036	10,265
Interim Contractor Support	1,796	1,297	1,573	2,569
Range Improvement	8,115	26,421	3,795	29,354
LANTIRN	26,771	13,611	10,643	39,220
NAVSTAR GPS (User Equipment)	66,925	69,817	41,866	48,075
KC-135 Cargo Rollers	98	3,805	0	0
GBU-15/AGM-130 Improved Data Link	12,295	10,824	0	0
E-3A (NATO AWACS)	88,337	2,913	52,310	46,775
F-117	109,655	37,556	0	0
Flight Screening	392	107	0	0
Training (Offensive)	5	0	0	0
Pollution Prevention	8,152	8,780	6,596	7,078
Defense Airborne Reconnaissance Program*	0	0	12,468 *	28,529 *
TOTAL COST (As currently reflected in line P-63)	607,195	234,870	169,564	342,646
REVISED TOTAL COST (excluding line P-65 costs)	607,195	234,870	157,096	314,117

*Dollars that belong in line P-65 were inadvertently placed in line P-63.

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES
(Dollars in Thousands)

PROJECT TITLE: Classified Programs

DESCRIPTION/JUSTIFICATION: Details of the following programs are available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE	FY 94	FY 95	FY 96	FY 97
Special Evaluation Program	1,713	2,787	2,870	2,222
Compass Call	24,714	4,013	8,026	6,371
Classified Programs	0	40,566	19,381	122,188
Advanced Program Evaluation	1,787	2,232	0	0
Tactical Crypt Activities	10,472	0	0	0
Missile and Space Technology	9,086	0	0	0
Senior Year	221,608	0	0	0
Forest Green	959	453	0	0
TOTAL COST	270,339	50,051	30,277	130,781

P-1900

DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: ECM Support

MODELS OF AIRCRAFT APPLICABLE: A-10, B-1, B-52, F-15, F-16, F-4G, F-111, EF-111, MC-130
AC-130, C-130, MH-53J, MH-60, OV-10

DESCRIPTION/JUSTIFICATION: Funds are required by the Electronic Warfare Avionics Integrated Support Facility (EWAISF) to directly support the Electronic Warfare Integrated Reprogramming (EWIR) process. The EWAISF manages Major Command requirements and procures unique and replacement equipment critical to USAF aircraft defensive systems capability and combat readiness. EWIR enables global reach/global power projection, and includes requirements for EW systems software upgrades, hardware maintenance for existing EW system reprogramming support facilities, computer acquisition and upgrades, support equipment software maintenance, aircraft EW system reprogramming software tools, intelligence data manipulation software, threat emitter simulation lab test equipment supporting technology insertion programs, data transmission communications equipment and EW system software emulation models. This program also supports the Fast Photo project.

DEVELOPMENT STATUS: Production prototypes are acquired for evaluation prior to production.

PROJECTED FINANCIAL PLAN:

	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
TRAINING EQUIPMENT	14,315	9,687	10,036	10,265
TOTAL COST	14,315	9,687	10,036	10,265

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Interim Contractor Support

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Funds provide logistics support suite for the transition to organic capability for NAVSTAR GPS (User (User Equipment) in FY94 through FY97. The F-111 ICS in FY94 and FY95 supports the ALR-62I to maintain LRUs while developing depot support capability.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 94	FY 95	FY 96	FY 97
F-111	968	937	0	0
NAVSTAR GPS (User Eq)	828	360	1,573	2,569
TOTAL COST	1,796	1,297	1,573	2,569

DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Range Improvement

MODELS OF AIRCRAFT APPLICABLE: F-4, A-10, F-15, F-16, F-111

DESCRIPTION/JUSTIFICATION: Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of aircrews and operational testing of weapon systems and tactics under simulated combat conditions. Originally, range instrumentation systems were known as Air Combat Maneuvering Instrumentation (ACMI) systems. However, the nomenclature has changed over the years to better reflect system upgrades and specific uses of individual systems. The second generation systems, capable of handling 36 aircraft simultaneously, are referred to as Measurement and Debriefing Systems (MDS). The overall range instrumentation systems are now known as Air Combat Training Systems, are interoperable with Navy ranges, and provide the capability to train aircrews in air-to-air combat, air-to-ground combat, and electronic warfare, while providing real-time monitoring and control of aircraft during large force exercises and recording events for post-mission debrief and analysis. The pods are airborne systems of ACTS and provide altitude, position, and vector tracking data plus other aircraft avionics and weapon event data.

DEVELOPMENT STATUS: P-4AX , P-4AW, P-4B, and P-4BX pods and associated test sets are complete. The P-4 series contained a radar altimeter, UHF transmitter, and aircrew prompting system. Pods developed/procured beginning in FY96 will have GPS capability.

PROJECTED FINANCIAL PLAN:

	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
ACMI PODS	8,115	26,421	3,795	29,354
TOTAL COST	8,115	26,421	3,795	29,354

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Low Altitude Navigation and Targeting Infrared System for Night (LANTIRN)

MODELS OF AIRCRAFT APPLICABLE: F-16C, F-16D, and F-15E

DESCRIPTION/JUSTIFICATION: The LANTIRN system provides USAF forces with the capability to conduct close air support and interdiction missions at night and under-the-weather in F-15E and F-16C/D fighter aircraft. LANTIRN includes development and production of a wide-angle roster heads-up display, a navigation pod, targeting pod, and associated support equipment. The navigation pod contains a fixed forward-looking infrared (FLIR) sensor; the targeting pod contains a gimbaled FLIR, a laser designator, an automatic tracker, a missile boresight correlator, and growth provisions for an automatic target recognizer. LANTIRN provides the capability not only to attack at night, but also to attack with precision laser guided weapons day or night and in conditions of limited visibility. The addition of a laser spot tracker (LST) being developed for the targeting pod will give LANTIRN additional capability for the F-16 close air support mission. LST procurement will begin in FY97. The FY95 and FY96 funding supports the software updates required to correct the deficiencies resulting from initial operation of the targeting pod, and to maintain system capability with software updates to either or both aircraft suites. Additionally, the funds provide for correction of deficiencies (reduced slew delays, tracker improvements, reduced FLIR picture jitter, space stabilized search mode) identified primarily from F-15E operations in Desert Storm.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 94	FY 95	FY 96	FY 97
PROGRAM COST	26,771	13,611	10,643	39,220
TOTAL COST	26,771	13,611	10,643	39,220

P-1900

DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: NAVSTAR Global Positioning System (GPS) User Equipment

MODELS OF AIRCRAFT APPLICABLE: B-2, C-17A, C-130, E-8, F-117, and F-16

DESCRIPTION/JUSTIFICATION: NAVSTAR GPS is a space-based radio navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of user equipment for the above aircraft.

PROJECTED FINANCIAL PLAN:	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
Non-recurring/Integration	66,925	69,817	41,866	48,075
TOTAL COST	66,925	69,817	41,866	48,075

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: KC-135 Cargo Rollers

MODELS OF AIRCRAFT APPLICABLE: KC-135

DESCRIPTION/JUSTIFICATION: The KC-135 Cargo Roller program will enhance airlift capability and add flexibility to airlift operations by providing KC-135 aircraft with an inherent capability to carry 463L palletized cargo. This will allow each KC-135 to carry up to six 463L pallets of approximately 5,000 pounds each on standard cargo rollers equipped with side rails and locks. The addition of cargo rollers will also improve KC-135 throughput, making the aircraft ideal for high priority channel missions. No funding is required beyond FY95.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 94	FY 95	FY 96	FY 97
PROGRAM COST	98	3,805	0	0
TOTAL COST	98	3,805	0	0

P-1900

DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: GBU-15/AGM-130 Improved Airborne Data Link Pod

MODELS OF AIRCRAFT APPLICABLE: F-15E and F-111F

DESCRIPTION/JUSTIFICATION: The GBU-15 and AGM-130 are data link precision guided weapons. The airborne data link pod provides the applicable aircraft with the standoff capability to guide these weapons to a designated target. The Improved Data Link system is a more reliable, jam resistand data link, consisting of an aircraft pod data terminal, weapon data terminal, and peculiar support equipment. No funding is required beyond FY95.

PROJECTED FINANCIAL PLAN:	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
PROGRAM COST	12,295	10,824	0	0
TOTAL COST	12,295	10,824	0	0

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: NATO AWACS

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: This project provides the US contribution to the NATO Airborne Early Warning and Control Modernization Program (NAMP), a seven-year program to update NATO E-3s with capabilities similar to US, UK, and French E-3s under the 1990 addendum to the Multinational Memorandum of Understanding. NAMP upgrades include the anti-jam radio (HAVE QUICK A-Nets), JTIDS TADIL J Data Link, improved COMSEC equipment (ANDVT), and color consoles. Joint US/NATO Cooperative developments include Electronic Support Measures (ESM) and Radar System Improvement Program (RSIP). NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area of operations.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 94	FY 95	FY 96	FY 97
AWACS	88,337	2,913	52,310	46,775
TOTAL COST	88,337	2,913	52,310	46,775

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: F-117

MODELS OF AIRCRAFT APPLICABLE: F-117

DESCRIPTION/JUSTIFICATION: The F-117A Stealth Fighter is the world's first operational aircraft to exploit low observable stealth technology. It can use a variety of weapons to attack high priority targets anywhere in the world. It is designed to penetrate dense threat environments and hit targets with pinpoint accuracy. Its sophisticated navigation and attack systems increase mission effectiveness and reduce pilot workload. The Other Production Charges (BA-07) [illegible] rovide for changes to the aircraft which were initiated prior to its being declassified. These include Infrared Acquisition and Designation System (IRADS) turret upgrade, the offensive capabilities improvement program and replacing the current inertial navigation system with a ring laser gyro plus a GPS receiver. A total of 59 aircraft have been delivered. The first was delivered in 1982; the last in 1990. Initial operational capability was achieved in 1983.

PROJECTED FINANCIAL PLAN:

	FY 94	FY 95	FY 96*	FY 97*
BASIS FOR COST ESTIMATE:				
PROGRAM COST	109,655	37,556	0	0
TOTAL COST	109,655	37,556	0	0

* Costs beyond FY95 have been transferred to BPAC 11F117, F-117 modifications.

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Flight Screening

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: This project provides resources to conduct USAF Academy's T-41C Pilot Indoctrination and Glider/Parachuting Airmanship Programs.

PROJECTED FINANCIAL PLAN:

	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
PROGRAM COST	392	107	0	0
TOTAL COST	392	107	0	0

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Training (Offensive)

MODELS OF AIRCRAFT APPLICABLE: B-1, B-52

DESCRIPTION/JUSTIFICATION: Funds support the Bomber Aircraft Instrumentation System (BAIS) which is the interface to allow bomber aircraft to use existing instrumented bombing ranges such as RED FLAG Mission Debriefing System (MDS), USAF Air Combat Maneuvering Instrumentation System (ACMI) ranges, and Navy Tactical Air Combat Training System (TACTS) ranges. The BAIS interface will provide the means to capture real-time bomber position, electronic warfare, and weapon systems information for no-drop weapons and mine scoring, and will provide for ground and air-breathing threat engagements for debriefing aircrew training. No funding is required beyond FY94.

PROJECTED FINANCIAL PLAN:	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
TRAINING EQUIPMENT	5	0	0	0
TOTAL COST	5	0	0	0

DATE: Feb 95

P-1900

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Pollution Prevention

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Installations and Government Owned, Contractor Operated (GOCO) facilities throughout the Air Force require and are authorized equipment, facility projects, and services that must be acquired to accomplish the DoD and Air Force pollution prevention goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Order 12856, and the DoD Comprehensive Pollution Prevention Strategy. This budget item identifies the pollution prevention initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to air, land, ground water, and surface water. It includes equipment, projects, and services such as freon recovery projects, vapor degreaser replacements, recycling equipment, and hazardous waste reduction projects.

PROJECTED FINANCIAL PLAN:

	FY 94	FY 95	FY 96	FY 97
BASIS FOR COST ESTIMATE:				
PROGRAM COST	8,152	8,780	6,596	7,078
TOTAL COST	8,152	8,780	6,596	7,078

BUDGET ITEM JUSTIFICATION SHEET	DATE Feb-95
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, AF/ BA 07, OTHER PRODUCTION CHARGES	P-1 NOMENCLATURE Common ECM Equipment

	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01
QUANTITY								
COST (in thousands)	25,915	16,761	4,871	4,698	4,642	5,222	5,484	5,809

These programs provide for electronic countermeasures and related support equipment which (1) is not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, and (3) can be managed as separate end items. This procurement line item also contains certain classified programs.

	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01
ALQ-184/ALQ-131	9,540	10,378	4,871	4,698	4,642	5,222	5,484	5,809
ALQ-99 TJS	16,375	6,383	0	0	0	0	0	0
	25,915	16,761	4,871	4,698	4,642	5,222	5,484	5,809

BUDGET ITEM JUSTIFICATION SHEET	DATE Feb-95
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, AF/ BA 07, OTHER PRODUCTION CHARGES	P-1 NOMENCLATURE ALQ-184/ALQ-131

	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01
QUANTITY								
COST (in thousands)	9,540	10,378	4,871	4,698	4,642	5,222	5,484	5,809

MISSION AND DESCRIPTION: This project supports the acquisition of kits to modify the ALQ-119 into the ALQ-184 and ALQ-131 Block II pod configurations to counter Soviet terminal and airborne interceptor radar systems.

PROGRAM JUSTIFICATION: The FY95 funding provides funding for software upgrades, ECPs, program support, and product improvement. The FY96 and FY97 requests provide funding for software upgrades, ECPs, program support, and product improvement to continue the FY95 effort.

COOPERATIVE AGREEMENTS: ALQ-184 - None

ALQ-131:

Country	Effective Date	Expiration Date
Bahrain	Jun-89	Dec-94
Egypt	Oct-92	Sep-95
Egypt	Apr-89	Jun-95
Israel	Nov-86	Dec-94
Japan (2)	Oct-93	Sep-94
Netherlands (2)	Oct-91	Dec-94
Pakistan	Nov-89	Oct-94
Portugal	Dec-92	Nov-94

AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Aircraft Model		B. Popular Name ALQ-184/131		C. Manufacturer Raytheon		D. Date Feb-95	
	FY 94	QTY 0	FY 95	QTY 0	FY 96	QTY 0	FY 97	QTY
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. AIRFRAME/CFE								
2. ENGINE/ACCESSORIES (PER A/C) (Engine Model:)								
3. AVIONICS: CFE								
GFE								
4. ARMAMENT								
5. OTHER GFE								
6. ECO (ALL FLY-AWAY COMPONENTS)								
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLY-AWAY COSTS		0		0		0		0
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE								
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH DATA								
15. ECO (ALL SUPPORT ITEMS)								
16. OTHER (CFTS)		9,540		10,378		4,871		4,698
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COSTS		9,540		10,378		4,871		4,698
19. GROSS P-1 COST		9,540		10,378		4,871		4,698
20. LESS: PRIOR YEAR ADV PROC		0		0		0		0
21. NET P-1 COST		9,540		10,378		4,871		4,698

EXHIBIT P-5

PROCUREMENT HISTORY AND PLANNING	DATE: Feb 95
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT/AF, BA 07, OTHER PRODUCTION CHARGES	P-1 ITEM NOMENCLATURE ALQ-184/131

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW?	SPECS REVISION REQUIRED?	IF YES, WHEN AVAIL?
Kit FY93	Raytheon	FFP	USAF	Jan-93	Jan-94	Aug-95	101	950	Yes	No	N/A

REMARKS: Contract is an FY88 document with dates, prices, and deliveries established as annual options.

P-1 Shopping List
Item No.

EXHIBIT P-5a

BUDGET ITEM JUSTIFICATION SHEET	DATE Feb-95
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, AF/ BA 07, OTHER PRODUCTION CHARGES	P-1 NOMENCLATURE ALQ-99

	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01
QUANTITY	43	0	0	0	0	0	0	0
COST (in thousands)	16,375	6,383	0	0	0	0	0	0

MISSION AND DESCRIPTION: This project supports upgrades to the ALQ-99 Tactical Jamming System (TJS) which improves the system availability and jamming effectiveness. The EF-111 aircraft is being retired in FY97, and the ALQ-99 upgrades are being cancelled in FY95. No work is being done in FY95 or beyond based on the program cancellation.

COOPERATIVE AGREEMENTS: None

AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Aircraft Model		B. Popular Name ALQ-99		C. Manufacturer Grumman		D. Date Feb-95	
	FY 94	QTY 43	FY 95	QTY	FY 96	QTY	FY 97	QTY
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. AIRFRAME/CFE								
2. ENGINE/ACCESSORIES (PER A/C) (Engine Model:)								
3. AVIONICS: GFE (Band 4)	311	13,373						
GFE (Band 9/10)								
4. ARMAMENT								
5. OTHER GFE		1,004						
6. ECO (ALL FLY-AWAY COMPONENTS)		198						
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLY-AWAY COSTS		14,575		0				
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE		1,800		6,383				
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH DATA								
15. ECO (ALL SUPPORT ITEMS)								
16. OTHER (CFTS)								
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COSTS		1,800		6,383				
19. GROSS P-1 COST		16,375		6,383				
20. LESS: PRIOR YEAR ADV PROC		0		0				
21. NET P-1 COST		16,375		6,383		0		0

EXHIBIT P-5

PROCUREMENT HISTORY AND PLANNING

DATE: Feb 95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT/AF, BA 07, OTHER PRODUCTION CHARGES

P-1 ITEM NOMENCLATURE

ALQ-99

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW?	SPECS REVISION REQUIRED?	IF YES, WHEN AVAIL?
Kit											
FY93	AEL	FPI	USAF	Feb/Jun 94	Feb/Jun 94	Aug-96	N/A		YES	NO	N/A
FY94	ARINC	LOE	USAF	Oct-94	Nov-94	N/A	N/A	800	N/A	N/A	N/A
	ITC	LOE	USAF	Oct-94	Nov-94	N/A	N/A	1,000	N/A	N/A	N/A

REMARKS: No work is being done in FY95 or beyond based on the program cancellation.

P-1 Shopping List
Item No.

EXHIBIT P-5a